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U.S. Department of Agriculture,
Washington, D. C.
LIBRARY,

[Trade price list]

1904



1905

PLEASE READ CAREFULLY.

ADDRESS ALL COMMUNICATIONS TO ATLANTA, GA.

CABLE ADDRESS:—TREESEEDS—ATLANTA, GA.

A. B. C. CODE 4th EDITION USED.

TERMS: CASH with order or satisfactory references from unknown correspondents. We allow a discount of 5 per cent. for cash with order and 2 per cent. for remittances within 30 days from date of invoice. Unless otherwise arranged, all accounts become due and subject to draft 60 days from date of invoice.

DOMESTIC REMITTANCES are requested by Postal or Express Money Order or Bank Draft. All banks charge now for collecting local checks.

FOREIGN REMITTANCES are payable in U. S. currency through International Money Orders on Atlanta, Ga., Post Office or Bank Draft on New York. We ask that payments not be made in foreign postage stamps or foreign individual checks.

EARLY ORDERS: We do not sell any old seeds and do not take in stock therefore much more than we can be reasonably sure to sell during the ensuing season. It is imperative on this account that orders, especially for large quantities and for early ripening kinds, should reach us at as early a date as possibly convenient. While we anticipate at this writing supply of all kinds here offered, our acceptance of orders is not a warranty for delivery but is subject to crop accidents and limits to crops. All quotations are subject to change without notice.

POSTAGE: We prepay postage on all seeds sold at package rates but charge postage for all seeds sold by weight. Domestic and foreign postage for seeds and roots is 8 cents per pound. Limit of weight of one package in domestic mails is 4 pounds, in foreign mails 12 ounces. Registration fee is 8 cents per package.

PARCELS POST packages are allowed to Germany and a few other countries. The rate is 12 cents per pound or fraction of pound and the limit of weight for a package is 4 pounds and 6 ounces (2kg).

FREIGHT AND EXPRESS. We desire to receive instructions as to the kind of conveyance or we shall ship at our own discretion. Nearly all Express companies allow now a deduction for shipments of seeds and roots of 20 per cent. from regular merchandise rates. All goods travel at risk and expense of consignee.

FOREIGN SHIPMENTS: Unless otherwise instructed we shall hand over all consignments for foreign places to our forwarders, Messrs. R. F. Downing & Co., 13 William St., New York City, or their correspondents in other ports, who will also effect insurance, if desired.

WARRANTY: While we exercise greatest care to have all our seeds, bulbs, etc., pure and reliable, they are sold without warranty and without any responsibility, expressed or implied, in respect to the crop. If our goods are not accepted on these terms we must be informed at once after their inspection upon arrival at destination, to arrange for their return.

An exchange of Catalogues, seed lists, etc. is desired.

OTTO KATZENSTEIN & CO.

English Correspondence.

Deutsche Correspondenz.

Correspondance Francaise.

373-375 BROADWAY,

NEW YORK CITY AND ATLANTA, GA

Press of E. W. Allen & Co., Atlanta, Ga.

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ADDRESS ALL COMMUNICATIONS TO ATLANTA, GA.

OTTO KATZENSTEIN & CO.

273-375 BROADWAY
NEW YORK CITY

CABLE ADDRESS:
TREESEEDS—ATLANTA, GA.

46 DRUID CIRCLE
ATLANTA, GA.

A. B. C. CODE, 4th EDITION.

DESCRIPTIVE CATALOGUE OF SEEDS OF American Conifers, Trees, Shrubs, Palms, Cacti and Herbaceous Plants AND OF Roots and Bulbs of Herbaceous Plants. 1904--1905.

This is our first catalogue under our present firm but it is in fact a continuation of those sent out formerly by the now discontinued Pinehurst Nurseries, at Pinehurst, N. C., which were in charge of our Mr. Otto Katzenstein during their entire existence.

We take gladly this opportunity to give expression to our appreciation of the many favors shown our Mr. Katzenstein during his former relations and we hope that not only our old friends will continue to let us supply them with their requirements in our lines but that all those, whom this catalogue reaches for the first time, will give us a trial.

It will be our desire to send out strictly fresh seeds only, true to name, in the best quality obtainable and at lowest prices possible.

In the DESCRIPTIONS given in the body of the following lists we have endeavored to be as concise as possible and to give information of interest to the planter.

The NOMENCLATURE continues in its unsettled state. We have used our best judgment and have as much as possible adhered to names, which while perhaps not strictly correct in accordance with recent researches, have a meaning and familiar sound to the consumer. We give the authority for each name and we have cross-referenced where deemed necessary.

The HARDINESS of a plant is so indefinite a term, especially if local climatic and soil conditions are taken into consideration, that we have arbitrarily decided to designate as hardy such plants, which generally survive the winters of Philadelphia and New York (40-42 degrees latitude).

We have omitted from this catalogue quite a number of seeds and of roots and plants, the supply of which was rather doubtful at this writing, but we shall at all times be very happy to submit prices on any lists which may be sent us by our friends and we solicit correspondence.

SPECIAL CABLE CODE.

For the convenience and saving of cable tolls for our customers we have given a cipher to the names of the seeds of conifers and of trees and shrubs offered and we also give here a cipher to state weights from $\frac{1}{8}$ ounce to 5,000 pounds. By this means the weight and name can be given in one word to which can be added one of the following messages:

Zur Bequemlichkeit und um unsern Kunden Depeschekosten zu ermaessigen, haben wir den im Cataloge angefuhrten Coniferen und Gehoelzsamen ein Codewort beigefuegt und lassen nachstehend Codeworte von $\frac{1}{8}$ ounce bis 5000 Pfund folgen. Hierdurch kann Gewicht und Namen der Saemerei in einem Werte telegraphiert werden, dem dann noch die folgenden aus zwei Buchstaben bestehenden Sentenzen vorgestellt werden koennen:

Pour reduire a nos clients les frais des telegrammes nous avons ajoute un nom de code pour les noms des graines de coniferes, d'arbustes dans notre catalogue et nous donnons ci-dessous code pour les poids de $\frac{1}{8}$ oz jusqu' a 5000 lbs. En depechant veuillez reunir le nom du poids et le nom de la graine dans un mot. Vous pouvez aussi ajouter un des noms de code suivants:

Please quote		We offer		We accept
Geben Sie billigsten Preis	}	fo	}	Wir acceptieren
Quotez		Nous offrons		Nous acceptons
		Please ship		
		Senden Sie		
		Expediez		

Example	}	Please quote 100 lbs Pseudotsuga douglasi
Beispiel		Geben Sie gefl. aeussersten Preis 100 Pfund Pseudot. douglasi
Par exemple		Quotez 100 lbs Pseudotsuga douglasi
		<i>fo — yaba — psen or foyabapsen.</i>

Figures following these messages will indicate the price in U. S. currency,
 Der Preis folgt in Zahlen und zwar in dollars und cents.
 Le Prix est donne en monnaie Americaine.

Example:—*We offer (offerieren, offrons) 500 pounds Abies concolor at \$1.56 per pound. Tayawnacon 156.*

In connection with our ciphers we use A. B. Code 4th edition.
 A. B. C. Code 4te Ausgabe im Gebrauch.
 A. B. C. Code 4 ieme Edition en usage.

CODE WORDS FOR WEIGHTS.

GEWICHTE—POIDS.

1/8 ounce	Zaba	18 lbs.	Zeur	54 lbs.	Zixa	90 lbs.	Zude
1/4 "	Zaco	19 "	Zeux	55 "	Zizz	91 "	Zufi
1/2 "	Zafe	20 "	Ziba	56 "	Znab	92 "	Zuga
3/4 "	Zaim	21 "	Zibl	57 "	Znam	93 "	Zuhe
1 "	Zamb	22 "	Ziel	58 "	Znas	94 "	Zuil
2 "	Zano	23 "	Zifo	59 "	Zned	95 "	Zuku
3 "	Zant	24 "	Zige	60 "	Znee	96 "	Zulo
4 "	Zaph	25 "	Zihr	61 "	Znen	97 "	Zuma
5 "	Zapa	26 "	Ziko	62 "	Znep	98 "	Zunt
6 "	Zarn	27 "	Zile	63 "	Znil	99 "	Zure
7 "	Zaxa	28 "	Zill	64 "	Znio	100 "	Yaba
8 "	Zaya	29 "	Zimo	65 "	Znob	112 "	Yaco
9 "	Zeal	30 "	Zimt	66 "	Znow	125 "	Yade
10 "	Zebe	31 "	Zimz	67 "	Znur	150 "	Yaff
11 "	Zech	32 "	Zina	68 "	Zoan	175 "	Yamu
12 "	Zedo	33 "	Zinc	69 "	Zoba	200 "	Yank
13 "	Zein	34 "	Zink	70 "	Zoco	250 "	Yapi
14 "	Zemi	35 "	Zint	71 "	Zode	300 "	Yard
15 "	Zend	36 "	Zipe	72 "	Zoel	350 "	Yarn
1 pound	Zenu	37 "	Zipo	73 "	Zofa	400 "	Yaso
2 "	Zeol	38 "	Ziqu	74 "	Zoge	450 "	Yatu
3 "	Zeom	39 "	Zira	75 "	Zohn	500 "	Yawn
4 "	Zeph	40 "	Zirb	76 "	Zoid	600 "	Ycle
5 "	Zepo	41 "	Zirm	77 "	Zoku	700 "	Ydra
6 "	Zerd	42 "	Zirp	78 "	Zold	800 "	Year
7 "	Zern	43 "	Zisa	79 "	Zomo	900 "	Yell
8 "	Zero	44 "	Zise	80 "	Zone	1000 "	Yelp
9 "	Zesa	45 "	Zism	81 "	Zopt	1500 "	Yeni
10 "	Zest	46 "	Zist	82 "	Zoro	2000 "	Yeom
11 "	Zeta	47 "	Zito	83 "	Zost	2500 "	Yerk
12 "	Zeth	48 "	Ziub	84 "	Zoll	3000 "	Yfer
13 "	Zetl	49 "	Zium	85 "	Zoum	3500 "	Ygon
14 "	Zeug	50 "	Ziux	86 "	Zowa	4000 "	Yird
15 "	Zeul	51 "	Ziva	87 "	Zuab	4500 "	Yoke
16 "	Zeum	52 "	Zive	88 "	Zube	5000 "	Yolk
17 "	Zeup	53 "	Ziwo	89 "	Zuca		

CONIFERS.

About Sowing Seeds of Conifers and Woody Plants.

Sow small quantities in cold frames or in shallow boxes filled with carefully sifted mellow sandy loam. Larger quantities sow in seed-beds which must be naturally or artificially sheltered from heavy East or Northeast winds. Enrich soil with well rotted manure. Work the soil—a well drained sandy loam—thoroughly to a depth of twelve inches, removing sticks, stones, etc. Destroy weeds before sowing and avoid subsequent annoyance.

Seeds with hard shells soak in almost boiling water just before sowing.

Seeds with thick pulp (as Magnolia) macerate and wash off pulp immediately before sowing.

Seeds which naturally dry up or which “lay over” stratify by placing them in boxes or other vessels between alternate layers of sand, storing them in sheltered places out of the way of mice and other vermin. In due time, sow like any other seeds. Keep stratified seeds moist. Sow broadcast or in drills. Last is preferable as facilitating cultivation. Cover seeds with soil equal to about the thickness of the seeds. Do not cover seeds too deep, especially not those of conifers. After sowing press soil firmly with roller or back of spade and water thoroughly with fine rose. Shade seed-beds until seedlings appear when shade must be removed gradually. Keep beds well weeded at all times.

Half-ounce at ounce rates; quarter-pound at pound rates; three pounds at ten pound rates.

Quotations on larger lots by correspondence. * (Asterisk) means generally hardy.

The sizes given in these lists indicate the heights in feet (3 ft. = 1 m) attained by the plants in their natural state.

CODE WORD.

Oz. Lb. 10 Lbs

ABIES.

See also under Picea, Pseudotsuga, Tsuga.

Abam * AMABILIS, Forb. \$.35 \$ 3.00 \$27.00
Cal. 150-175 ft. Resembling Abies nordmanniana.
Very ornamental. True to name.

Abar * ARIZONICA, Merr. var. argentea, Silver
Cork Fir 1.50 15.00
Ari. Perfectly hardy. Rarest and finest conifer under
cultivation.

Abai * ARIZONICA NANA, Alpine Silver Cork
Fir 1.50 15.00
Dwarf Mountain form. Bark perfectly white to the
smallest branches.

Abba * BALSAMEA, Mill. Balsam Fir20 1.75 16.00
Northern U. S. fine ornamental and forest tree.

Abra BRACTEATA, Nutt. Santa Lucia Fir70 8.00
Cal. half hardy. 120-180 ft. Stiff pyramidal. Crown
rather doubtful.

Acon * CONCOLOR, L. & G. California Silver Fir . .25 1.75 16.00
Cal. to Colo. 90-120 ft., grayish bark, light green needles. Very ornamental.

Abco * CONCOLOR VIOLACEA30 2.50
Beautiful form with bluish needles.

Code Word		Oz.	Lb.	10 Lbs.
ABIES Cont'd.				
Afra *	FRASERI, L. She Balsam.....	.35	3.00	
	N. C. 50-75 ft. Fine tree resembling <i>Abies balsamea</i> . Crop doubtful.			
Agra *	GRANDIS, Lindl. Great Oregon Silver Fir. .30	2.25	20.00	
	Ore. to Cal. 180-250 ft. Slender pyramidal with long glossy, dark green needles. Very elegant tree.			
Amag *	MAGNIFICA, Murr. Red Fir .....	.40	2.50	22.50
	Cal. 180-225 ft. Slender, excellent ornamental and timber tree, needles blue-green.			
Abma *	MAGNIFICA SHASTENSIS, Lemm.....	.50	4.50	
	Mt. Shasta, Bracts very prominent. Very rare. MENZIESI see PICEA SITCHENSIS. MERTENSIANA see Tsuga.			
Abno *	NOBILIS, Lindl. Noble Fir.....	.30	3.00	
	Ore. 180-270 ft. Thick needles, dark green. Very de- sirable. Limited crop.			
Absu *	SUBALPINA, Eng. Western Balsam.....	.60	5.00	
	Alaska to Colo., 75-120 ft. Very rare and excellent. Needles distinctly bluish, remarkably long.			
CHAMAECYPARIS.				
Chal *	LAWSONIANA, Parl. Lawson's Cypress..	.35	3.00	
	Ore. to Cal. 125-180 ft. Very valuable lawn and forest tree. Seed often produces new forms.			
CHAMAECYPARIS.				
Chau *	NUTKAENSIS, Spach. Sitka Cypress....	1.00	12.00	
	Pacific slope. 90-125 ft. Exquisite tree for moist loca- tions. Crop very short.			
Chas *	THYOIDES, B. S. P. (sphaeroidea, Spach)			
	White Cedar .....	.20	2.00	
	U. S. Very symmetrical ornamental and forest tree. Prefers moist sandy soil.			
CUPRESSUS.				
Cuvo	GOVENIANA, Gord.....	.30	2.50	
	Cal. 25-40 ft. Very attractive. Rich soil.			
Cugu	GUADALUPENSIS, Wats. ....	.30	2.75	
	N. M., Ariz. 50-75 ft. Very glaucous needles. Rocky places.			
Cuma	MACNABIANA, Murr. ....	.25	2.00	
	Cal. Rare, small tree. Regular pyramid. Very dense growth.			
Curo	MACROCARPA, Monterey Cypress. From			
	cultivated trees .....	.10	.90	8.00
Cupa	" From original trees.....	.20	1.75	16.00
	Cal. 50-75 ft. Head broad spreading. Branches horizontal. Needles bright green. Fine ornamental and timber tree.			
	THYOIDES see Chamaecyparis.			
	None of the true Cupressus are quite hardy.			

Code word

Oz. Lbs. 10 Lbs.

JUNIPERUS.

Jumo	*	OCCIDENTALIS, Hook. var. monosperma, Eng. Dwarf Western Juniper.....	.15	1.50	
		Colo.-Ari. Small tree. Pyramidal. Needles bluish. Very decorative.			
Jupa	*	PACHYPHLOEA, Torr.....	.25	2.00	
		West. States. Rare. Needles and branches bluish. Stiff soils and exposed sites.			
Juin	*	SABINA, L. Savin .....	.15	1.50	
		Europe, Asia. Shrub. Picturesque cover for slopes.			
Jumb	*	SABINA PROCUMBENS, Pursh (prostrata). ..	.15	1.60	
		Northern U. S. Low creeper. Very fine.			
Julo	*	SCOPULORUM, Sarg.....	.25	2.00	
Juva	*	VIRGINIANA, L. Red Cedar.....	.10	.50	3 50
		U. S. excl. Pacific Slope. 50-80 ft. Symmetrical pyramid, rich, sandy soil. Ornamental and timber. Seed often produces new forms.			

Seed of all Junipers generally lays over one year.

LARIX.

Lara	*	AMERICANA, Michx. Hackmatack.....	1.25	12.50	
		Northern U. S. 75-125 ft. Moist soils. Very graceful. deciduous.			
Loei	*	OCCIDENTALIS, Nutt. Tamarack.....	2.50	25.00	
		Ore. 125-200 ft. slender, pyramidal. Very rare.			

LIBOCEDRUS.

Lide	*	DECURRENS, Torr. Incense Cedar....	.25	2.50	
		Cal.-Ore. 90-150 ft. Narrow pyramidal. Leaves glossy bright green, beautiful, and rapid grower.			

PICEA.

See also under Abies.

Pica	*	ALBA, Lk. White Spruce.....	.45	4.50	42.50
		North and North West U. S. 75-150 feet. Pyramidal. Needles bluish-green. Moist soil, coast planting.			
Pien	*	ENGELMANNI, Eng. Engelmann's Spruce ..	.50	4.50	40.00
		Brit Col. to Ore. 75-125 ft. Needles silvery. Grand ornamental and timber tree.			
Piar	*	ENGELMANNI ARGENTEA PENDULA.....	1.00		
Pipu	*	PUNGENS, Eng. Blue Spruce.....	.40	3.50	30.00
		Rocky Mts. 90-150 feet. Needles light green or silvery blue as in the following varieties. One of the finest conifers under cultivation.			
Parg	*	PUNGENS ARGENTEA [true].....	2.00		
Ping	*	PUNGENS GLAUCA.....	.50	4.50	
Pisi	*	SITCHENSIS, Carr. Tideland Spruce....	.35	3.50	32.00
		Alaska to Cal. 125-175 ft. Needles steel-blue to dark green. Moist, sandy soil. Excellent ornamental and timber tree.			

PINUS.

AUSTRALIS. See P. PALUSTRIS.

- Piba** * BALFOUREANA, Jeff. Foxtail Pine.45 4.25
Cal. 25-50 ft. Needles dark, close to branches. Dry soil in high altitudes.
- Pial** * BALFOUREANA var. ARISTATA, Eng.35 4.00
Western States. Rare, bushy, low tree.
- Pika** * BANKSIANA, Lamb. Jack Pine, Gray Pine.75 7.50 70.00
N. W. U. S. small tree of conical shape. Needles light green. Barren soil and sandy and rocky locations. Good timber, handsome ornamental.
- BENTHAMIANA see P. PONDEROSA.
- Pico** * CONTORTA, Dougl. Scrub Pine.60 5.50 52.50
Alaska to Cal. Stunted tree. Needles bright, green glossy. Adapted to coast planting.
- Piri** * COULTERI, D. Don. Coulter's Pitch Pine. .25 2.50
California coast ranges. Almost hardy 75-125 ft. Pyramidal. Needles bluish green. Rapid grower. Sandy loam.
- Pied** * EDULIS, Eng. Nut Pine.25 2.50
Colo. to Texas. 15-30 ft. Fairly hardy, handsome but slow grower. Nuts edible.
- Pili** * FLEXILIS, James. Western White Pine. .50 4.00
Rocky Mounts. 40-60 ft. Needles extremely short. Slow grower. Fine for rock plantings.
- FREMONTIANA. See P. MONOPHYLLA.
- Pins** * INSIGNIS, Dougl. Monterey Pine.30 2.50 20.00
Cal. 75-90 ft. Fairly hardy, handsome, coast tree.
- Pije** * JEFFREYI, Murray. Bull Pine.30 2.25 20.00
Cal. 90-120 ft. Very regular head. Young branches silvery gray bark. Rapid luxuriant grower. Very ornamental.
- Pila** * LAMBERTIANA, Dougl. Sugar Pine.25 1.60 14.00
Cal. Fairly hardy. 150-300 ft. Largest pine known. Very ornamental and valuable timber. Sandy soil.
- Pimi** * MITIS, Michx. (P. echinata, Mill.) Short-leaved Pine.30 2.25 20.00
Eastern U. S. 75-100 ft. Very ornamental. Valuable timber. Sandy soil.
- Pimo** * MONOPHYLLA, Torr. & Frem. Nut Pine. .30 2.25
Utah to Cal. Fairly hardy. Shrub or small tree. Form irregular. Nuts edible.
- Piti** * MONTICOLA, Dougl. Mountain White Pine.30 4.50 42.50
Brit. Columbia to Cal. 90-125 feet. Resembles P. strobus. Rapid grower, beautiful tree.

Code word

Oz.

Lbs.

10 Lbs

PINUS Cont'd.

Pimu	MURICATA, D. Don. Obispo Pine. Prickle Cone Pine.....	.50	3.50	
Cal. 75-100 ft. Cones will persist on tree for unlimited time, seeds retaining vitality. Sterile soil near ocean.				
Piya *	MURRAYANA, Balf. Tamarack Pine ...	.70	6.50	
Alaska to Cal. 50-75 ft. Closely related to P. contorta, needles longer and broader. Bark very thin, scaly. Dry, gravelly soil.				
Pipa	PALUSTRIS, Miller. Long-leaved Pine..	.30	2.00	18.00
Va. to Tex. 75-120 ft. Sandy loam. Slender pyramid. Needles often two feet long. Exquisite tree and very valuable as timber and for production of tar, pitch, rosin, spirits of turpentine. Tap roots enormously long. Excellent as potted plants when young.				
Piry *	PARRYANA, Eng. Pinon, Nut Pine.....	.50	4.00	
Cal. Scrubby tree with round top. Rare, Slow grower. Nuts edible.				
Pipo *	PONDEROSA, Dougl. Bull Pine.....	.25	1.60	15.00
Colo. to Cal. 180-300 ft. Enormous tree. Luxuriant grower. Dry sites. First class ornamental and timber tree.				
Pirs *	RESINOSA, Sol. Red Pine.....	.60	5.50	50.00
Can. to Minn. 75-150 ft. Rapid grower. Light sandy loam. Ornamental and timber tree.				
Pida *	RIGIDA, Miller. Pitch Pine. ....	.30	3.00	27.50
Northern U. S. From scrubby bush to finely shaped tree. 75 ft. Quick grower in rich soil. Well known ornamental and timber tree,				
Pisa *	SABINIANA, Dougl. Digger Pine.....	.15	1.00	9.00
Cal 75-150 ft. Hardy in sheltered places. Needles and branches bluish green. Very ornamental. Nuts edible. Fertile loam.				
Pius *	STROBUS, L. White Pine.....	.25	1.60	14.00
U. S. 75-150 ft. Beautiful tree of the greatest economic value. This is the first, though limited crop, after total failure for several years.				
Pita	TAEDA, L. Loblolly Pine.....	.30	2.00	18.00
Dela. to Tex. 75-125 ft. Great ornamental and timber tree. Sandy loam.				
Pito	TORREYANA, Parry. Soledad Pine.....	.25	2.25	
Cal. 18-80 ft. Often prostrate. Not entirely hardy.				
Pitu *	TUBERCULATA, Gordon, Knob-Cone Pine	.40	3.50	
PSEUDOTSUGA				
Psen *	DOUGLASI, Carr. Douglas Fir.....	.30	2.40	22.50.
Brit. Col. to Cal. 180-300 ft. Rapid grower. Fine ornamental. Very important timber tree.				
Psed *	DOUGLASI ARGENTEA PENDULA	1.25		

Code word		Oz.	Lbs.	10 Lbs.
SEQUOIA				
Segi	* GIGANTEA, Torr. Big Tree.	.65	5.00	
	Cal. 250-300 ft. Largest conifer known. Pyramidal growth. Recovers easily from any damage through frost. Grand ornamental tree.			
Sese	* SEMPERVIRENS, Endl. California Red-wood . . . . .	.50	3.00	
	Cal. 175-250 ft. Hardy under light protection. Excellent ornamental and forest tree. Yields the well known "Red Wood." Damp locations.			
Tadi	* TAXODIUM DISTICHUM, Rich, Bald Cypress. . . . .	.10	.50	4.00
	U. S. 80-150 feet. Majestic tree. Foliage deciduous, light green, feathery, yellow in fall. Invaluable ornamental and forest tree. Moist locations.			
Tare	* TAXUS BREVIFOLIA, Nutt. Western Yew. . . . .	.85	8.50	
	Western States, 25-60 ft. Needles short, yellowish green. Slow grower, Very rare. Seed lays over one year.			
THUYA				
	CRAIGIANA see LIBOCEDRUS.			
Thug	* GIGANTEA, Nutt. Red Cedar. . . . .	.45	3.50	
	Western U. S. 75-175 ft. Pyramidal. Needles glossy green on upper side; bluish-white underneath. Quick grower. Important ornamental and forest tree. Moist locations.			
Trio	ORIENTALIS VAR. PYRAMIDALIS (Bi-ota) . . . . .	.10	.65	6.00
	Jap. and China. Dense pyramidal growth. Needles light green. Very desirable ornamental. Not quite hardy.			
Toca	TORREYA CALIFORNICA, Torr. California Nutmeg . . . . .	.20	1.20	
	Cal. 30-50 ft. Pyramidal. Slow grower. Moist soil. Seed lays over one year. Not quite hardy. Very ornamental.			
TSUGA				
Tsuc	* CANADENSIS, Carr. Hemlock Spruce. . . . .	.40	3.50	32.50
	U. S. 75-100 ft. Pyramidal. Of greatest beauty when planted singly. Fine undergrowth. Bark very valuable for tanning. Moist locations.			
Tsug	* CAROLINIANA, Eng. Carolina Hemlock. . . . .	.65	6.50	
	N. C. 50-75 ft. Pyramidal. Needles dark green. Very distinct tree. Dampish soil			
Tsum	* MERTENSIANA, . . . . .	.65	6.50	
	Much resembling T. canadensis. Branches drooping. Fairly hardy.			
Tsup	* PATTONIANA Eng. Patton's Hemlock Spruce . . . . .	.65	6.50	
	Western U. S. 100-150 ft. Regular pyramid. Needles light green to bluish white. Branches from ground up, stiffly lateral. Damp places in mountains. Very desirable.			

TREES AND SHRUBS.

Half-ounce at ounce rates, quarter pound ($\frac{1}{4}$ lb) at pound rates; three pounds (3 lbs.) at ten pound rates. Larger quantities by letter upon application.

We have used the following Abbreviations in our Descriptions:

Prefixed e means evergreen; t stands for tree.

" d " deciduous; s " " shrub.

v " " vine or climber.

Example: e t stands for "evergreen tree"; d v for "deciduous climber."

Near price column the letter c indicates that the seed will be furnished cleaned and free from hulls, etc.

" " " " " db indicates delivery of seed in natural hulls dried berries, etc.

* (Asterisk) Hardy.

CODE WORD.

Oz. Lb. 10 Lbs.

ACER.

Acci	dt *	CIRCINATUM, Pursh. Vine Maple.	.15	1.25	
Brit. Col. to Cal. Globular head. Foliage light green coloring orange and scarlet. Beautiful tree.					
Acda	dt *	DASYCARPUM, Ehr. Silver or Soft Maple	.15	.50	4.50
U. S. Excellent street tree. Fine fall coloring. Seed can be supplied in May and June only.					
Agla	ds *	GLABRUM, Torr. Western Smooth Maple	.25	1.60	
Western U. S. Small tree or shrub. Leaves shining dark green. Very fine.					
Acma	dt	MACROPHYLLUM, Pursh, Broad-leaved Maple.	.10	.65	
Brit. Col. to Cal. Not hardy in youth. Large tree. Globular head. Enormous leaves. Fine.					
Acne	dt *	NEGUNDO, L. Box Elder	.10	.35	3.00
U. S. 40-70 ft. Rapid grower. Ornamental. Prefers moist soils.					
Acid	dt *	NEGUNDO CALIFORNICA	.15	1.00	
Cche	dt *	PENNSYLVANICUM, L. Moosewood.	.15	1.60	
Canada to North Ga. 15-30 ft. Foliage large. Bark finely striped green and white. Excellent tree.					
Acu	dt *	RUBRUM, L. Red Maple	.15	1.25	10.00
Canada to Fla. 60-90 ft. Majestic tree. One of the earliest flowering maples. Very showy all season. Seed ripens in May.					
Acsa	dt *	SACCHARINUM, Wang. Sugar Maple.	.15	.75	7.00
U. S. 75-125 ft. Choice for street plantings. Fine forest tree. Seed ripens September. Yields but twenty to fifty per cent of growing seed.					
Acpi	ds *	SPICATUM, Lam. Mountain Maple	.20	1.60	
Northern U. S. 25-30 ft. Young plants tender. Fall coloring yellow to scarlet. Cool woods.					

Seeds of all Acer are very perishable and ought to be ordered early and sown at once upon receipt. They always and unavoidably contain a larger or smaller amount of faulty seeds.

Code word		Oz.	Lbs.	10 Lbs.
Aega dt	AESCULUS glabra, Willd. Ohio Buck- eye.....	.10	.35	3.00
	Middle U. S. 25-45 ft. Rapid grower in rich soil. Considered superior to A. hippocastanum, as elegant street tree.			
Alla dt *	AILANTUS GLANDULOSA, Desf. Tree of Heaven.....	.10	.35	3.00
	China. Not entirely hardy in youth. Grand tree. Large leaves finely dissected. Rapid grower in light rich soil.			
Alju dt	ALBIZZIA JULIBRISSIN, Durraz. Mimosa.....	.10	.75	
	Central Asia. Almost naturalized in South. 40-50 ft. Leaves large fern-like. Flowers fragrant pink, resembling Mimosa pudica flowers. Desirable street tree where hardy.			
Alru dt *	ALNUS RUBRA, Bong. (A oregana, Nutt).....	.30	2.50	
	Rocky Mts. 75-90 ft. Handsome tree. Leaves red- stemmed. Moist rich soil.			
Alsa dt *	RUGOSA, Sprengel.....	.15	1.00	
	Northern States. 18-25 ft. Handsome. Rapid grow- er in moist soil.			
	ALTHÆA, Rose of Sharon, see Hibiscus.			
	AMELANCHIER			
Amal ds *	ALNIFOLIA, Nutt.....	.35	2.50	
	N.W. Pretty shrub.			
Amca ds *	CANADENSIS, T. & G. Shadbush. Service Berry.....	.20	1.20	
	U. S. Flowers pure white in clusters. Pretty.			
	AMORPHA			
Amen ds *	CANESCENS, Nutt.....	.60		
	Rocky Mts. Dense growth. Foliage whitish. Free flowering ornamental.			
Afru ds *	FRUTICOSA, L. Bastard Indigo.....	.25	2.00	
	Rocky Mts. Leaves fine feathery. Flowers dark pur- ple in profuse spikes.			
Amic ds *	MICROPHYLLA, Pursh. (nana, Nutt.) Lead Plant.....	.60		
	Rocky Mts. Rare. Dwarf shrub of great beauty. Foliage finely pinnate. Flowers garnet purple on profuse flower spikes.			
	AMPELOPSIS			
Amor dv *	CORDATA, Michx. db.....	.10	.80	
	S. E. & S. W. States. High-climbing ornamental vine. Found along river banks.			
Aqui dv *	QUINQUEFOLIA, Michx. Virginia Creep.....	.10	1.00	
	U. S. Strong climber. Beautiful fall coloring.			

Code word		Oz.	Lbs.	10 Lbs.
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AMPELOPSIS Cont'd.

Ampi dv * TRICUSPIDATA, Sieb. & Zucc...db.. .35
Japan. Very fine climber.

Avei dv * VEITCHI, Hort. Boston Ivy....db.. .20 1.25
Excellent climber for cover of trees or walls. Brilliant fall coloring.

Avis dv * VITACEA, Kneer.....db.. 1.25 2.00
Strong climber but does not cling to walls. Fine fall coloring.

ANDROMEDA

See under Cassandra, Lencothoe, Oxydendron, Pieris, Xolisma.

Ando ds * SPECIOSA, Michx. (Zenobia cassiniifolia, Poll.).....db.. .25 2.00
Southern States. Medium sized. Wealth of waxy white flowers in Spring. Sandy soil.

Arsa dr * ARALIA SPINOSA, L. Hercules Club.....db.. .20 1.60
Ea. States. 6-8 ft. Fairly hardy. Exceedingly ornamental in summer and picturesque in winter.

Arme dt * ARBUTUS MENZIESI, Pursh. Madrona.....db.. .25 1.50
Cal. Very handsome tree of considerable hardness.

ARCTOSTAPHYLOS

Arct es * GLAUCA, Lindl. Great-berried Manzanita.....db.. .15 1.25
Western States. Tall shrub.

Arpu es PUNGENS, HBK. Erect Manzanita.db.. .15 1.25

Arto es TOMENTOSA, Dougl. Hardy Manzanita.....db.. .20 2.00
Hardiest species.

Arvu es * UVA-URSÆ, Spreng. Bearberry...db.. .30 3.00
Rocky Mts. Hardy handsome trailer.

Arlo dv ARISTOLOCHIA TOMENTOSA, Sims. Pipe vine.....db.. .25 2.50
Southern States. Half hardy. Handsome twining vine with tomentose foliage.

Asti dt ASIMINA TRILOBA, Dun. Pawpaw.c.. .10 .45 4.00
So. States. Large shrub or small tree. Handsome, foliage fine. Edible fruits of distinct flavor. Quite hardy with protection in youth.

Atca ds * ATRIPLEX CANESCENS, James.....db.. .20 2.00
Cal. and Rocky Mts. Small ornamental shrub.

AZALEA

see also under Rhododendron.

Azoc ds * OCCIDENTALIS T & G.....c... 1.25
BERBERIS

Bera es * AQUIFOLIUM, Pursh Asheberry..db.. .10 .90
Western States. Excellent medium-sized shrub. Leaves leathery glossy large dentated. Bronze fall coloring.

Code word Oz. Lbs. 10 Lbs.

BERBERIS Cont'd.

- Berf ds** * FREMONTI, Torr. Fremont's Barberry.....db... .60
 Western States. Rare splendid acquisition. Foliage bluish green. Graceful. Berries large red or blue.
- Bajo es** * JAPONICA, R. Br. Japanese Barberry (Mahonia)db... .15 1.20
 Ea. India. Leaves larger and glossier than above. Colored exquisitely yellow in fall.
- Bene es** * REPENS, Lindl. Oregon Grape...db... .20 1.60
 Ore. Creeping. Foliage resembles B. aquifolium.
- Bert ds** * THUNBERGI, DC. Thunberg's Barberrydb... .15 1.20 10.00
 One of the most desirable small shrubs for lawn or hedge planting. Berries bright red in profusion.

BETULA

- Befo dt** * FONTINALIS, Sarg. 1.00
- Bele dt** * LENTA, L. Black or Sweet Birch20 1.50
 U. S. 50-75 ft. Rapid grower in rich soil. Leaves heart-shaped, glossy.
- Belu dt** * LUTEA, Michx. f. Yellow Birch..... .20 1.50
 U. S. 60-90 ft. Splendid ornamental and forest tree.
- Bepa dt** * PAPYRACEA Ait. (papyrifera Marsh)
 Canoe Birch..... .20 1.50
 Northern U. S. Rapid grower. Foliage luxuriant, dark green. Bark shiny white.
- Bepo dt** * POPULIFOLIA, Ait. White Birch20 1.50
 Northern U. S. Medium sized tree. Very ornamental. Adapted to even the poorest soil.

BIGELOVIA

- Bige ds** * GRAVEOLENS, Gray. Dwarf Princess Plume. 50c per package..... 4.50
- Biro ds** * ALBICAULIS, Gray. Plumed Goldenrod 4.50
50c per package.
 Rocky Mts. Rare. Very fine half shrubs, dense, symmetrical clumps. Stems and foliage whitish. Species small yellow plumes, the produces variety fragrant long plumes.

BIGNONIA

See also under Tecoma.

- Bica ev** CAPREOLATA, L. Cross Vinec... .25 1.50
 Southern States. Strong climber. Foliage dull green paired. Flowers trumpet-shaped dull red outside, bright yellow inside, about 2-3 in. long. Fine tree cover.

Code word		Oz.	Lbs.	10 Lbs.
Cala ds *	CALLICARPA AMERICANA, L. French			
	Mulberry db . .	.10	.40	3.50
	Va. to Tex. Very ornamental in habit, foliage, flower and fruit. Violet berries in clusters around stems. Demands severe pruning and therefore useful, even where not entirely hardy			
Caly ds *	CALYCANTHUS LAEVIGATUS, Willd. (Butneria fertilis L) Sweet			
	Shrub c . .	.10	.55	5.00
	U S. Medium sized shrub. Handsome foliage. Flowers reddish-brown of delicious fragrance. Frequently offered as C. floridus which fruits but rarely in this country.			
Caoc ds	OCCIDENTALIS, Hook & Arn. Western			
	Sweet Shrub . . . . .	.20	2.00	
Caca dt *	CARPINUS CAROLIANA, Walt.			
	(americana Mx) Hornbeam c . .	.10	.45	3.50
	U. S. 30-50 ft. Dense tree. Foliage rich yellow in fall. Any, even rockiest soil. Good hedge plant.			
	CARYA see under Hicoria.			
Casa es *	CASSANDRA CALYCVLATA D. Don. .	.50	.5	
	U. S. Low shrub. Moist places.			
	CASTANEA			
Cama dt *	DENTATA, Borkh. (C. americana Mx) American Chestnut.			
	\$12.00 per 100 lbs. . . . .	.10	.25	2.00
	U, S. 60-90 ft. Strong grower. Stately ornamental and first-class forest tree. Nuts very sweet.			
Cane ds *	NANA, Muhl. Chinquapin . . . . .	.10	.35	3.00
	Southeastern U. S. Fairly hardy. Dwarf shrub, rarely exceeding three ft. Nuts very sweet.			
Capu dt	PUMILA, Mill. Chinquapin . . . . .	.10	.35	3.00
	S. E. States. 30-50 ft. Shrub or tree. Resembles in leaf and fruit C. nana which formerly went under same name. Flowers later.			
	<i>Nuts of Castanea are very perishable and must be sown or stratified immediately upon receipt. Only early orders can be filled.</i>			
	CATALPA			
Cabi dt	BIGNONIOIDES, Walt. Indian Bean. . . c	.10	.65	5.50
	So. U. S. Rapid grower. Hardy with protection in youth. Beautiful ornamental in foliage and flowers—yellow with purple spots.			
Cahy dt *	HYBRIDA, Spaeth, Teas Japan Hy-brid c . .	.10	.65	5.50
	Very fine ornamental, from bignonioides x ovata. Vigorous grower. About 50,000 seeds to pound.			
Cato dt *	OVATA, D. Don. (Kaempferi, S. & Z.) Chinese Catalpa. c . .	.10	.65	5.50
	Japan. Excellent tree with fine fragrant flowers. Not as vigorous as C. speciosa. 100,000 seeds to pound.			

Code word	Oz.	Lbs.	10 Lbs.
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CATALPA Cont'd.**Cape** dt * SPECIOSA, Warder, Hardy Western

Catalpa C . .	.10	.50	4.00
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U. S. Perfectly hardy. Vigorous grower. Very desirable ornamental and forest tree of greatest importance. About 18-20,000 seeds to pound.

CEANOTHUS

Ceam ds * AMERICANUS, L, Jersey Tea. . db. .	.10	.50	4.00
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Cena " " " " " " . . C . .	.20	1.00	9.00
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U. S. Bright, green foliage. Flowers white in gracefully slender panicles, in July. Fine for undergrowth in any soil.

Cova ds * OVATUS, Desf, Western Jersey

Tea C . .	.75		
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Cefe es * FENDLERI, Gray C . .	.35	2.00	
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Rocky Mts. Low shrub, practically evergreen. Rare. For cover of dry sandy banks.

Cein ds * INTEGERRIMUS, H. & A. db. .	.40	4.00	
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Western U. S. Tall shrub, flowers White or blue, fragrant.

Celo ds THYRSIFLORUS, Eschsch. Blue Myrtle. .	.50	4.50	
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Cal. Tall Shrub or small tree. Flowers bright blue, beautiful.

Ceve ds * VELUTINUS, Dougl. Velvety Ceano- thus75	7.00	
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Pacific slope. Nearly evergreen.

Ceca dv * CELASTRUS SCANDENS, L. Climbing Bittersweet. db. .	.10	1.00	
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U. S. Rapid grower. Pretty berries. Fine for steep banks.

CELTIS

Ceoc dt * OCCIDENTALIS, L. Hackberry . . . db. .	.10	.75	
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U. S. 90-120 ft. Good shade tree for almost any soil. Free from insects. Often lays over one or two years.

Coci ds * OCCIDENTALIS VAR. PUMILA Gray. db. .	.15	1.50	
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U. S. Sandy soil.

Cepo ds * CEPHALANTHUS OCCIDENTALIS, L. Button Bush C . .	.10	.75	6.00
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U. S. Medium sized. dense globular. Moist ground.

CERCIS

Cerc dt * CANADENSIS, L. Redbud C . .	.15	.85	7.50
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Ea. States. Small tree or tall shrub. Rapid grower. Pink flowers in dense clusters along branches before leaves appear.

Coci dt OCCIDENTALIS, Torr. Western Redbud. . c. .	.30	3.00	
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Code word		Oz.	Lbs.	10 Lbs
Ceus ds	* CERCOCARPUS PARVIFOLIUS , Nutt. Mountain Mahogany c. .	.60	6.00	
	Pacific slope. Nearly evergreen. Flowers white early, followed by long plumose achenes, 3-5 in. long, resembling at a distance ostrich feathers. Seed often lays over one year.			
ds	* CHIONANTHUS VIRGINICA , L.			
Chio	White Fringe c. .	10	.80	7.50
Chin	" " " " db. .	.10	.40	3.50
	U. S. Singularly attractive large shrub. Flowers snow-white, daintily fringe-like. Vigorous in any soil.			
CLEMATIS				
Clem dv	* LIGUSTICIFOLIA , Nutt. c. .	.60	5.50	
Clep dv	* PANICULATA , Thunb. c. .	.50	4.50	
	Japan. Popular climber.			
Clir dv	* VIRGINIANA , L. Virgin's Bower c. .	.35	3.20	
	U. S. Vigorous climber. Flowers white in large panicles. Mid-summer.			
Clei dv	* VITALBA , L. Traveler's Joy c. .	1.50		
	Europe. Vigorous climber.			
	See also under Herbaceous seeds.			
Clet ds	* CLETHRA ALNIFOLIA , L. Sweet Pepper Bush db. .	.10	.65	6.00
	U. S. Handsome compact bush. Flowers white in dense spikes, spicy fragrant. Light or sandy soil.			
CORNUS				
Corn ds	* ALTERNIFOLIA , L. f., Alternate-leaved Cornel. . . . .	.15	.75	7.00
	U. S. Large, graceful shrub, flowers pretty. Dark-blue berries, attractive.			
Cora ds	* AMOMUM , Mill. Silky Dogwood. . . . db. .	.15	1.00	
	U. S. Tall shrub. Branches purple. Fruit bluish white. Latest bloomer of all Cornus.			
Corc ds	* CANDIDISSIMA , Marsh. White-fruited Dogwood db. .	.10	.75	
	U. S. Compact bush. White. Fruits small on red peduncles.			
Cota ds	* CIRCINATA , L'Her. Round-leaved Dogwood db. .	.15	1.20	
	U. S. Twigs purplish dotted black. Fruits light blue Small fruits.			
Coda dt	* FLORIDA , L. White flowering D. . . . db. .	.10	.25	2.00
	U. S. Small tree or tall shrub. Flowers before leaves in white or pink four-leaved involucres of often 3-5 inches of diameter. Indispensable ornamental.			
Conu dt	* NUTTALLII , Aud. Californian Dogwood. db. .	.15	1.00	
	Cal. Even more ornamental but not as hardy as C. florida.			
	PANICULATA . See C. candidissima.			

Code word

Oz.

Lbs.

10 Lbs.

CORNUS Cont'd.

SERICEA, See C. amomum.

Coto ds * STOLONIFERA, Michx. Red Osier . . . db .10 .40 3.00

U. S. Shoots deep red in fall or winter.

Cornus prefer rich, light and fairly moist soil.

Their seeds sometimes lay over one year.

Cory ds * CORYLUS AMERICANA, Walt. Hazel-nut IO .10 .35 3.00

Ea. States. 5-10 ft. Spreading shrub of good ornamental value. Nuts very sweet.

CRATÆGUS

Cavi dt ÆSTIVALIS, T. & G. May Haw. . . . db . . .25 2.00

Southern States. Sometimes tall shrub. Moist sandy soil.

Crat dt * COCCINEA, L. Scarlet Thorn. db . . .10 .40 3.50

Small tree. Handsome white flowers. Very early. Large fruits scarlet.

Crac dt * CORDATA, Ait. Washington Thorn. db. .10 .65 6.00

U. S. Small tree. Slow grower. Fine fall coloring. Fruit bright red. Fine hedge plant.

Crau ds * CRUS-GALLI, L. Cockspur Thorn . . db. .10 .35 3.00

Rapid grower. Fine hedge plant. Very long thorns.

Crad dt * DOUGLASI, Lindl. Western Haw. . db. .50 4.50

Handsome small tree. Fruit purple black.

Cram dt * MACRANTHA, Lodd. Colorado Thorn db . . .15 1.60

Crav ds * RIVULARIS, Nutt. db . . .25 2.50

Western U. S. Fruits black.

Crap ds * UNIFLORA, Muench. (C. parvifolia) db . . .15 1.60

Seeds of Crataegus often lay over one year.

Cylo dt CYRILLA RACEMIFLORA, L. Ti Ti. . db. .10 .60 5.00

Cyra " " " " " C. C. . . .20 1.60

S. E. States. Rare small tree. Leaves nearly evergreen, peach-shaped. Fall coloring rich crimson. Flowers white in loose graceful drupes. Single or massing. Rich sandy loam.

Denu es * DENDRIUM HUGERI, Small. Sand Myrtle db . . .45 4.50

N. C. mts. Dwarf. Very rare evergreen. Flowers white in dense clusters. Excellent for hillsides.

Dios dt DIOSPYROS VIRGINIANA, L. Persimmon C. . .10 .25 2.00

Southeastern States. Medium sized, very regularly shaped. Foliage large, ornamental. Plum shaped fruits, abundant on female plants, are of excellent taste after being touched by frost. Valuable timber.

Dira ds * DIRCA PALUSTRIS, L. Leatherwood C. . .15 1.50

Ea. States. Tall. Flowers yellow in early spring. Very desirable ornamental.

CODE WORD.	Oz.	Lb.	10 Lbs
Elea ds ELÆAGNUS ANGUSTIFOLIA, L. Russian Olive. . . . .	.10	1.00	
EUONYMUS			
Euon ds * AMERICANUS, L. Strawberry Bush.c..	.15	1.20	
U. S. Medium sized. Growth dense. Leaves bright green. Fruits crimson in very showy capsules, hanging on late. Excellent for massing or single. Fairly moist.			
Euat ds * ATROPURPUREUS, L. Burning Bush. . . . .	.15	1.25	
Ea. U. S. Strong grower. Foliage bright green. Flowers early, purple. Fruits scarlet, hanging on.			
Euja es JAPONICUS, Thunb. . . . .	.15	1.25	
Japan. Foliage evergreen glossy. Showy fruits. Fine lawn or hedge plant or for potting. Stands any pruning.			
Exoc ds * EXOCHORDA GRANDIFLORA Lindl. . . . .	.25	2.50	22.50
Superb shrub, especially when covered with profusion of large white flowers on racemes in early spring.			
Fama dt * FAGUS AMERICANA, Sweet. (ferruginea, Ait.) Beech . . . . .	.10	.40	3.50
U. S. 90-120 ft. Majestic tree with large round head. Bark smooth grayish white. Splendid lawn and forest tree.			
Fapa ds * FALLUGIA PARADOXA, Endl. . . . .	.25	2.50	
Western States. Rare. Fine undershrub. White splendid flowers.			
Foti ds * FOTHERGILLA CAROLINA, Brit. (F. alnifolia) Dwarf Alder. . . . .	.60		
Southeastern States. Very rare. Medium sized. (Hamamelidaceæ). Flowers white in close spikes, before leaves.			
FRAXINUS			
Fram dt * AMERICANA, L. (alba) White Ash.c..	.10	.35	3.00
U. S. Tall tree. Considered one of the best Ashes.			
Fras dt * NIGRA, Marsh. (sambucifolia) Black Ash . . . . .	.10	.80	7.50
Young buds almost black. Moist soil.			
Fror dt * oregana, Nutt. Oregon Ash. . . . .	.15	1.25	
Handsome, rapid and symmetrical grower.			
Frap dt * pubescens, Lam. Red Ash. . . . .	.10	.90	
Ea. U. S. 30-60 ft. Fine fall coloring.			
Frau dt. * VIRIDIS, Michx. Green Ash. . . . .	.10	.50	4.00
U. S. 30-50 ft. Foliage bright green. Moist places. Seed of Fraxinus often lays over one year.			
Frem ds * FREMONTIA californica, Torr. California Slippery Elm. . . . .	.75	8.00	
Cal. Very handsome shrub. (Malvaceæ) Flowers showy, yellow.			
Gare es * GARRYA ELLIPTICA. Gray. . . . .	.75		
Cal. Berries dark blue, very fine.			

Code word		Oz.	Lbs.	10 Lbs.
HICORIA Cont'd.				
Himi dt	* MINIMA, Britt. (C. amara, Nutt.) Bitternut. \$7.50 per 100 lbs. ....	.20	1.60	
	U. S. 60-90 ft. Nuts thin-shelled, very bitter. Fine forest tree for moist soils.			
Hico dt	* OVATA, Brit. (C. alba, Nutt.) Shell-bark Hickory. \$10.00 per 100 lbs. ....	.20	2.00	
	U. S. 90-120 ft. Grand tree. Bark remarkably shaggy. Nuts thin-shelled, sweet.			
Hiva dt	* PECAN, Brit. (C. oliviformis, Nutt.) Pecan. \$9.00 per 100 lbs. ....	.20	1.60	
	So. States. Nuts thin-shelled, sweet meat. Pecans succeed best in moist, rich soil.			
ILEX				
Idah es	* CASSINE, L. Dahoon. (I. dahoon, Walt.) .....db..	.15	1.00	
	Large shrub, rarely small tree. Leaves large, shiny, glabrous. Berries red. Moist soil.			
Ilde ds	* DECIDUA, Walt. Bearberry .....db	.10	.50	4.50
	So. States. Foliage dense, dark green, glabrous, serrate. Berries profuse, scarlet.			
Igla es	* GLABRA, Gray. Inkberry .....db	.10	.50	4.50
	Ea. States. Foliage leathery, deep green, glossy. Berries glossy black, hang on all winter.			
Ileo es	* LUCIDA, T. & G. (coriacea, Chapm.) Tall Inkberry .....db	.10	.60	5.00
	Va. to La. 5-9 ft. Leaves glossy, leathery, large. Young branches have black bark. Berries black, glossy in profusion, ripen late summer. Moist soil.			
Ilop et	* OPACA, Ait. American Holly ....db	.10	.30	2.50
	Ea. States. Tall shrub or small tree, leaves stiff, dark green, glossy, spine-toothed. Brilliantly red berries in profusion.			
Ilve ds	* VERTICILLATA, Gray. Black Alder db	.10	.35	3.00
	U. S. 10-20 ft. Leaves light green, serrated. Red berries in abundance all winter.			
Ilmi es	* VOMITORIA, Ait. (I. cassine, Walt.) Yaupon .....db	.15	1.00	
	So. States. Large shrub or small tree. Leaves small, deep green, leathery. Berries red. A truly beautiful ornamental.			
	Seed of evergreen Ilex often lays over one or even two years. All kinds are of highest ornamental value.			
Jame ds	* JAMESIA AMERICANA, T. & G.	4.50		
	Western States. Low. Flowers waxy white clustered, resembling orange blossoms. Over 100,000 seeds to an ounce. We send packages at 25c each.			
JUGLANS				
Juci dt	* CINEREA, L. Butternut .....\$2.25 per bus.	20.	1.60	
Juni dt	* " NIGRA, L. Black Walnut. .....\$1.20 bus.	.10	.80	
Kalm es	* KALMIA LATIFOLIA, L. Mountain Laurel .....c	.25	2.00	
Kafo	"db.	.10	.45	4.00
	Well known magnificent ornamental shrub for half shade or shade.			

Code word		Oz.	Lbs.	10 Lbs.
Koel dt *	KOELREUTERIA PANICULATA, Laxm. Varnish Tree.....	.10	.85	7.50
	China. Small tree. Foliage large glossy pinnate. Fine fall coloring. Flowers late in July, golden yellow in large panicles. Excellent tree.			
Lage ds	LAGERSTROEMIA INDICA, L. Crape Myrtle.....	C	.35	
	Naturalized So. States. 10-20 ft. Flowers finely crisped in summer, color white to all shades of pink and red. A strikingly beautiful plant in flower. Hardy under cover in Philadelphia. Fine tub plant.			
	LAURUS See under <i>Lindera</i> .			
	LEIOPHYLLUM See under <i>Dendrium</i> .			
	LEUCOTHOE See also <i>Andromeda</i> , <i>Pieris</i> .			
Leuc es *	CATESBAEI, Gray. Dog Laurel... db	.10	.55	5.00
Leut	"..... C	.20	1.60	
	U. S. Undershrub. Sprays extremely graceful, several feet long. Foliage thick, shining green, turning bronze. Flowers white fragrant in dense profuse racemes. Unsurpassed for moist locations.			
Lera ds *	RACEMOSA, Gray db	.25	2.50	
	U. S. 3-10 ft. Wide branching. Flowers white fragrant in very dense racemes.			
Ligu es	LIGUSTRUM STAUNTONI, Rehder. (<i>sinense nanum</i>)..... db	.15	.90	
Line ds *	LINDERA BENZOIN, Blume. Allspice..... db	.10	.80	7.50
	U. S. 3-9 ft. Pretty yellow flowers before leaves in earliest spring. Spicy in all its parts.			
Lita dt *	LIQUIDAMBAR STYRACIFLUA, L. Sweet Gum..... C	.20	1.60	15.00
	U. S. 90-140 ft. Stately and symmetrical tree. Unsurpassed crimson fall coloring. Valuable lawn and forest tree.			
Liri dt *	LIRIODENDRON TULIPIFERA, L. Tulip Tree..... C	.10	.35	3.00
	LONICERA			
Lovo ds *	INVOLUCRATA, Banks. Hardy Western Honeysuckle..... db	1.20		
Loja ev *	JAPONICA, DC. Japanese Honeysuckle..... db	.10	.80	
	Excellent strong growing vine and ground cover.			
Lose dv *	SEMPERVIRENS Ait. Trumpet Honeysuckle..... db	.20	1.50	
	U. S. Vigorous climber. Foliage dark glaucous. Flowers profuse scarlet, trumpet shaped.			
Maca ds	MACLURA AURANTIACA, Nutt. Osage Orange.....	.10	.40	3.50
	Fall shrub. Tremendous grower. Very popular cattle-fence.			

CODE WORD

Oz. Lb. 10 Lbs.

MAGNOLIA

Maga dt *	ACUMINATA, L. Cucumber Tree.....db	.10	.80	7.50
	U. S. 30-75 ft. Pyramidal. Foliage very large. Flowers yellow. Fruit pods scarlet, cucumber-shaped. Splendid ornamental.			
Mala et *	GLAUCA, L. Sweet Bay (M. virginiana, L.) .....db	.10	.65	6.00
	Small tree, far North deciduous shrub. Foliage leathery, light green, silvery underneath, fragrant. Profuse waxy white flowers early spring. Moist soil.			
Mara et	GRANDIFLORA, L. (foetida, Sarg.) Great Magnolia .....db	.10	.70	6.50
	So. U. S. 30-60 ft. Leaves very large, bright green, glossy, often fuzzy brown underneath. Flowers very large, snow white, sweetly fragrant in early summer. Easily grown in pots when they will bloom early. One of the grandest evergreens. Hardy in Philadelphia.			
Mama dt *	MACROPHYLLA, Mx. Large-leaved Magnolia .....db	.15	1.20	9.00
	So. States. 20-40 ft. Leaves and flowers of enormous size. Very showy ornamental. Moist soil.			
Mati dt *	TRIPETALA, L. Umbrella Tree .db	.15	1.00	9.00
	Ea. States. Very showy with very large leaves, and flowers.			
	<i>Plant seed of Magnolias at once upon receipt, after washing off outer skin, or stratify until spring.</i>			

MELIA

Meaz dt	AZEDERACH, L. Pride of China...db..	10.	.35	3.00
	Naturalized from Asia. 30-50 ft. Leaves pinnate, very large, dark green. Flowers lilac, very fragrant in clusters. Rapid grower in any soil. Good street tree.			
Meze dt	A. UMBRACULIFERA, Sarg. Umbrella Tree .....db	.10	.35	3.00
	Form of above, forming depressed umbrella-shaped head.			
Mens dv *	MENISPERMUM CANADENSE, L. Canadian Moonseed.....	.25	2.50	
	Strong growing vine, bluish-black fruiting panicle, resembles bunch of grapes. Very ornamental.			
Moru dt *	MORUS ALBA, L. var. tatarica. Russian Mulberry.....c	.20	1.80	16.00
	Fine ornamental. Very valuable for growers of silk worms.			
MYRICA				
Myca et	CALIFORNICA, Ch. & Schl. California Wax Myrtle.....	.25	2.00	
Myro ds *	CAROLINENSIS, Mill. (Morella c. Small) Waxberry.....	.10	1.00	
	U. small shrub. Fine for moist places.			

Code word

Oz.

Lbs.

10 Lbs.

MYRICA Cont'd.

Myfe ds *

CERIFERA, L. Wax Myrtle, Candle Berry.....db

.10 .80 7.00

U. S. tall shrub or small tree. Dense growth, leaves rough leathery. Fruits waxy gray on last year's growth. Indispensable for lawn and massing in any soil.

Myum es

CERIFERA PUMILA, Michx. Dwarf Wax Myrtle..... db

.15 1.25

Southern States. Low growing, regularly globose. Foliage light green, narrow. An exquisite plant.

NEGUNDO

See under Acer negundo.

Nyss dt *

NYSSA SYLVATICA, Marsh. (multi-flora, Wang.) Tupelo.db

.10 40 3.50

U. S. Tall tree. Fall coloring a glorious scarlet. Any soil, but moist places preferred.

OPUNTIA.

See under Cacti.

OREODAPHNE.

See under Umbellularia.

Osti dt *

OSTRYA VIRGINICA, Willd. Hop Hornbeam..... c

.15 1.50

U. S. Small tree. Foliage resembles that of Ulmus. Very ornamental.

OXYDENDRON

ARBOREUM, DC.

Oxar dt *

Sourwood, Sorrel Tree..... c

.20 1.50

Oxen

".....db

.10 .45 4.00

U. S. Tall shrub or small tree. Leaves glossy, fall coloring rich crimson. Flowers white in panicles, profuse in summer. Plant of unsurpassed beauty.

Palo dt *

PAULOWNIA IMPERIALIS, S. & Z. Empress Tree.....c

.15 1.00

China, Japan. Naturalized in U. S. Medium sized of wonderfully rapid growth. Leaves enormous. Flowers large, in upright panicles, sweet scented, blue.

Peca et

PERSEA BORBONIA, Spreng. (P. carolinensis, Nees) Red Bay.....db

.25 2.50

Southern States. Small tree. Foliage large, glaucous, aromatic. Very showy.

PHOTINIA ARBUTIFOLIA.

See under Heteromeles.

PIERIS.

See also under Andromeda, Cassandra, Xolisma.

Pima ds *

MARIANA, B. & H. Staggerbush...c

.20 1.50

Pari

".....db

.10 .45 4.00

Ea. States. Small shrub. Flowers in earliest spring in long racemes, waxy-white resembling lily-of-the-valley.

Pier es

NITIDA, B. & H. Fetterbush.....c

.20 1.50

Pint

".....db

.10 .45 4.00

So States. 4-6 ft. Leaves large glossy, thick leathery. Flowers pinkish white along branches in dense racemes. Exquisite shrub.

Code word		Oz.	Lbs.	10 Lbs
Plat ds *	PLATANUS OCCIDENTALIS. But-tonwood.....C	.10	.30	2.50
	U. S. Light green foliage and clean white bark make it a very desirable quick growing street tree.			
Pode dt *	POPULUS DELTOIDES, Marsh. Cot-tonwood.....C	.10	.85	
	U. S. Rapid growing tall tree.			
PRUNUS				
Prun ds *	AMERICANA, Marsh. Yellow Plum.....db	.10	.85	
	U. S. Large shrub or small tree, excellent for massing. Fruits yellow, red or orange.			
Pruc et	CAROLINIANA, Ait. Carolina Mock Cherry.....db	.10	.40	4.00
	So. States. Small tree of perfectly regular globular head. Foliage thick, glossy and dense. Flowers white in racemes in early summer, fragrant. Glossy black berries hang on. Beautiful tree, hedge plant or for potting. Stands pruning.			
PRUNUS				
Prud dt *	DEMISSA MELANOCARPA, Nel-son.....db..	.35	2.80	
Prug dt *	EMARGINATA, Walp. var. MOLLIS..db..	.40	4.00	
Prut ds *	MARITIMA, Wang. Beach Plum..db..	.15	1.40	
	U. S. Low shrub for sea shores. Fruit purple or crimson			
Prul dt *	PENNSYLVANICA, L. f. Wild Red Cherry.....db	.15	1.50	
	U. S. small tree. Leaves glossy green, fruits light red, sour. Good ornamental for rocky places.			
Prus dt *	SEROTINA, Ehrh. Wild Black Cher-ry. \$22.50 per 100 lbs.....db	.10	.40	4.00
	U. S. 70-100 ft. Rapid grower. Leaves bright green, flowers white and profuse. Berries blackish, sweet. Fine lawn and forest tree.			
Puri dt *	VIRGINIANA, L. Choke Cherry..db	.10	.85	8.00
	U. S. Large shrub or small tree. Fruit dark crimson astringent.			
Purs dt *	PURSHIA TRIDENTATA, D. C... c	1.00		
	Cal. 2-4 ft. Rare and graceful. Well drained Sandy-clayey soil and rockeries.			
	PYRUS. See under Sorbus.			
QUERCUS				
Kera dt *	ALBA, L. White Oak.....			
	..... \$8.00-100 lbs	.25	1.80	
	U. S. 75-125 ft. Rapid grower, foliage light green, dee purple in fall. Acorns are very perishable.			
	AQUATICA, Wang. See Qu. nigra, L.			
Kero dt *	BICOLOR. Willd. Swamp White Oak (platanoides, Willd.) \$10.00 per 100 lbs.	.25	1.80	
	U. S. 75-100 ft. Foliage dark-green, coloring brown-ish. Very regular head. Moist ground. Fine for lawn or forest.			

Code word		Oz.	Lbs.	10 Lbs.
QUERCUS Cont'd.				
Keri dt	CATESBAEI, Michx. Turkey Oak			
	.....\$7.00 per 100 lbs.	.20	1.50	
	Southern States. 30-50 ft. Leaves very large, glossy. Sandy soil.			
Keco dt *	COCCINEA, Wang. Scarlet Oak.			
	.....\$12.00 per 100 lbs.	.30	2.50	
	U. S. 120-150 ft. Fine regular shape. Foliage deeply cut, grand purple in fall. Excellent lawn, street and forest tree. Dry soil.			
Keta dt *	DIGITATA, Sudw. Spanish Oak.			
	.....\$12.00 per 100 lbs.	.30	2.50	
	Ea. U. S. 60-100 ft. Leaves sharp-angularly cut. Fine tree.			
	FALCATA, Mx. See Qu. digitata.			
Kega dt	GARRYANA, Dougl. Oregon Oak...	.10	.80	
Keil ds *	ILICIFOLIA, Wang. Scrub Oak.			
	.....\$10.00 per 100 lbs.	.25	2.00	
	U. S. Much branched hardy shrub, rarely tree. Good for undergrowth.			
Kali et	LAURIFOLIA, Michx. Laurel Oak.			
	.....\$10.00 per 100 lbs.	.25	1.80	
	So. U. S. 70-90 ft. Excellent pyramidal growth. Entirely evergreen. Foliage leathery, narrow. Our seed comes from the trees illustrated on full page in issue of October 10th, 1903, of the "Florist's Exchange." Beautiful tree.			
Kyra dt *	LYRATA, Walt. Overcup Oak.			
	.....\$16.00 per 100 lbs.	.35	2.50	
	U. S. 60-100 ft. Very majestic, rather slow growing tree. Moist ground.			
Kama dt *	MACROCARPA, Michx. Mossy-Cnp Oak.			
	\$10 per 100 lbs. ....	.30	2.00	
	One of the most majestic trees. Remarkably large. Acorns inclosed almost entirely in deep mossy cups.			
Kadi dt *	MARYLANDICA, Muench. Black Jack Oak.	.25	1.50	
	.....\$7.50 per 100 lbs.			
	U. S. 40-60 ft. Large glossy foliage. Sandy or rocky soil.			
	NIGRA, Wang. See Qu. marylandica.			
Keni dt	NIGRA, L. Water Oak. \$8-100 lbs.	.25	1.80	
	So. States. 60-90 ft. Foliage bright green, almost entire. Popular and excellent shade tree.			
Koto dt *	OBTUSILOBA, Mx. Post Oak. (Qu. minor, Sarg.)			
	\$16 per 100 lbs. ....	.30	2.50	
	U. S. 60-90 ft. Leaves dark green broadly 5-lobed. Bark narrow ridged, Succeeds in driest soils.			
Kura dt *	PALUSTRIS, Muench. Pin Oak. \$16 per 100 lbs.	.25	1.80	
	U. S. 150-180 ft. Rapid grower. Most beautiful lawn and street tree. Fall coloring rich yellow and crimson.			

CODE WORD.

(Oz. Lb. 10 Lbs)

QUERCUS Cont'd.

Kelo dt * PHELLOS, L. Willow Oak. \$15 per
100 lbs.30 2.50

Mo. to Tex. 60-90 ft. Slender top. Foliage light green.
willow shaped. entire. Moist soils.

Kepi dt * PRINUS, L. Chestnut Oak. \$8 per
100 lbs.25 1.80

U. S. 60-90 ft. Leaves chestnut-like, large. Acorns very
large. Very stately regular tree.

Keba dt * RUBRA, L. Red Oak. \$8 per 100
lbs.25 1.80

U. S. 120-150 ft. Symmetrical shade and forest tree for
any soil. Rapid grower. Fall coloring dull red and
yellow.

TINCTORIA, Mx. See Qu. velutina.

Kito dt * VELUTINA, Lam. Black Oak. \$16
per 100 lbs.30 2.50

U. S. 100-150 ft. Leaves deeply lobed. Fine street and
forest tree requiring rich soil.

Kiri et VIRGINIANA, Mill. (Qu. virens, Ait.)
Live Oak. \$10.00 per 100 lbs. .25 1.80

So. States. 75-100 ft. Famous Southern tree attaining
enormous spread. Requires rich rather moist soil.

*Most acorns are very perishable and orders ought
to be in our hands as soon as possible. Special
prices by letter for large lots or kinds not listed
here. We solicit correspondence.*

RHAMNUS

Raca dt * CAROLINIANA, Walt. Indian
Cherrydb .10 .35 3.00

Va. to Tex. Sometimes small tree. Leaves dark-green
glossy. Berries abundant, blackish red. Very good
plant. Thornless.

Rapu dt PURSHIANA, D. C. Cascara Sa-
grada.db .30 2.00

Western States. Small tree of fine medicinal and orna-
mental value.

Rami et CALIFORNICA, Rehd.30 2.00

Almost evergreen variety.

RHODODENDRON

Rolo es CALIFORNICUM, Hook. Western
Laurelc 1.50

Roan es * CATAWBIENSE, Michx. Rose Laurel.c .50 4.50

Undisputedly the most beautiful kind of all American
Rhododendrons. Entirely hardy. The parent of many
excellent hybrids.

Roma et * MAXIMUM, L. Great Laurel.c .30 3.00

Tall shrub or medium sized tree. Beautiful in foliage,
flower and habit.

*All Rhododendrons require well drained rich
soil, free from lime.*

Code word

Oz.

Lbs.

10 Lbs

RHUS

Rhu ds *

AROMATICA, Ait. Fragrant Sumac.....db

.10

1.00

U. S. 1-2 ft. Leaves large, dark scarlet in fall. Flowers yellow, berries reddish.

Rhuc ds *

COPALLINA, L. Shining Sumac.....db

.10

.25

2.00

U. S. 3-30 ft. Foliage dark green, glossy, full crimson in fall. Very fine ornamental.

Ruga ds *

GLABRA, Scarlet Sumac.....db

.10

.25

2.00

U. S. Tall shrub with exquisite scarlet fall coloring.

Rhut ds *

TYPHINA, L. Staghorn Sumac.
(Schmaltzia hirta, Sm.).....

.15

.80

U. S. Tall shrub to small tree. Enormous foliage, scarlet in fall. Showy effects. Quick grower.

Roxo ds *

TOXICODENDRON, L. Poison Oak.....db

.10

.80

Low shrub with brilliant fall coloring. Very poisonous plant to touch, especially when in flower.

Rhua ds *

TRILOBATA, Nutt. Small. Ill-Scented Sumac.....

.30

2.50

Western States. 3-6 ft. Rare and ornamental.

Ruve ds *

VERNIX, L. [R. venenata, DC.]
Poison Dogwood.....db

.10

.80

Tall shrub or small tree. Produces exquisite effects in landscapes, but the sap is very poisonous. Swamps.

All Rhus are desirable for strong and quick effects in the landscape and will do well in about any soil.

RIBES

Rice ds *

CEREUM, Dougl. Western Mountain Currant.....db

.30

2.50

Risa ds *

SANGUINEUM, Pursh. Red-flowered Currant.....db

.25

2.50

Very handsome ornamental. Crimson flowers.

Rifu ds *

TENUIFLORUM, Lindl. Golden-Fruited Currant.....db

.55

5.00

Western States. Related to R. aureum with large yellow berries.

ROBINIA

Roda ds *

HISPIDA, L. Rose Locust.....c

.60

5.50

So. U. S. Low shrub producing large racemes of grandly purple flowers in early spring. Seed is extremely rare and we are very happy to be able to offer a limited supply.

Robi dt *

PSEUDACACIA, L. Black Locust...c

.10

.50

4.50

ROSA

Roka ds *

ARKANSANA, Porter. Dwarf Prairie Rose.....db

.15

1.25

Western U. S. Dwarf. flowers in clusters, pale rose. Fruits rich scarlet. Dry and exposed sites.

Code word

Oz. Lbs. 10 Lbs

ROSA Cont'd.

Rosa ds *	BLANDA, Ait. Meadow Rose....db	.10	1.00	
	Western U. S. Small shrub, smooth branches, pink flowers.			
Rota ev	BRACTEATA, Wendl. McCartney Rose. ....db	.15	1.50	12.00
	Vigorous growing spreading or climbing vine. Foliage deep green glossy. Flowers silky white, large. Naturalized from China.			
Roca ds *	CALIFORNICA, Ch. & Schl. ....db	.20	1.80	
Roca ds *	CAROLINA, L. Swamp Rose....db	.10	1.00	9.00
	U. S. 3-8 ft. Flowers in clusters, pink. Fruits brilliantly red. Excellent for massing in moist soils.			
	FENDLERI. See R. woodsii.			
Rola ev	LAEVIGATA, Michx. Cherokee Rose ....db	.15	1.50	12.00
	So. U. S. Vigorous climber, foliage large, glossy, deep green. Flowers very early, single, corolla waxy white. 3-4 in. diameter. The typical climbing rose of the South.			
Rolu ds *	LUCIDA, Ehrh. ....db	.15	1.25	
	U. S. Low shrub. Foliage bright green, flowers pink berries red, profuse, splendid for winter effects.			
Rogo ds *	RUGOSA, Thunb. Hardy Japanese Rose ....db	.15	1.25	
Roya ds *	SAYI, Schwein. ....db	.35	3.50	
Rowa dv *	WICHURAIANA, Crep. Japanese Memorial Rose....db	.25	2.00	
Rodi ds *	WOODSII, Lindl. ....db	.25	2.00	
	Western States. 1-2 ft. Bright red fruits, produce very fine winter effects.			
Rude ds *	RUBUS DELICIOSUS, James. Flowering Thimble Berry.....c	1.50	15.00	
	Ore. to Col. Medium size. Large snow-white flowers will almost cover plant during inflorescence. Exquisite for any soil.			
Saca ds *	SAMBUCUS CANADENSIS, L. Sweet Elder ....db	.10	.45	4.00
	U. S. 8-15 ft. Foliage light-green. Flowers white in large flat cymes. Berries glossy black.			
Sina dt	SAPINDUS MARGINATUS, Willd. Soap Berry. ....db	.15	1.60	
	So. U. S. Foliage finely pinnated. Small tree for dry soil.			
Safi dt *	SASSAFRAS OFFICINALE, Nees...db	.10	.35	3.00
	U. S. 20-60 ft. Foliage bright green with crimson or bright yellow fall coloring. Wood, foliage and fruits very aromatic.			
Sino et	SCHINUS MOLLE, L. Californian Pepper tree.....db	.15	1.25	

CODE WORD		Oz	Lbs.	10 Lbs
SMILAX				
Sonc dv *	BONA-NOX, L. Stretchberry.....db	.15	1.00	
	Tall climber with showy black berries.			
Sila dv	LANCEOLATA, L.....db	.15	1.00	
	Tall climber in dry soil. Berries red.			
Smil ev	LAURIFOLIA, L. Evergreen South- ern Smilax .....db	.10	.50	4.50
	So. U. S. Tall climber. Leaves large leathery. Berries glossy black in heavy clusters. Damp soils. Branches much in demand for decorative work.			
Siwa dv *	WALTERI, Pursh. Coral-berried Brier .....db	.10	.60	5.00
	Ea. U. S. Strong climber with profusion of coral-red berries all winter. Moist soil.			
	<i>Sow seed of Smilax in damp ground.</i>			
SORBUS				
Soma dt *	AMERICANA, Marsh. Mountain Ash.....db	15.	1.50	
	U. S. Small tree. Foliage dark green. Red berries in thick clusters.			
Sora ds *	ARBUTIFOLIA, K. Koch. Choke- berry.....db	.10	.80	7.00
	U. S. 3-7 ft. Leaves bright green, deep crimson in fall. Flowers white fragrant, abundant, before leaves. Red berries all winter in profuse clusters. A strikingly or- namental shrub.			
Styr ds	STYRAX AMERICANA, Lam Sto- rax.....C	.15	1.00	
	So. U. S. Medium size. Fairly hardy. Flowers white, fragrant, in drooping clusters. Damp soil.			
SYMPHORICARPOS				
Symo ds	OCCIDENTALIS, R. Br. Wolf Berry... .	.20	2.00	
	Western dwarf shrub. Berries white.			
Syvi ds *	VULGARIS, Michx. Coral Berry..db	.15	1.25	
	U. S. Small to medium shrub. Foliage light green, quite persistent in shady locations. Berries coral-red or purple in close clusters. Excellent for massing and banks.			
Tera dv *	TECOMA RADICANS, Juss. Trumpet Flower.....C	.25	1.20	
	U. S. Bushy strong growing climber. Foliage dark green, large, pinnate. Flowers, abundant trumpet- shaped, scarlet.			
Tima dt *	TILIA AMERICANA, L. American Basswood.....db	.10	.50	4.50
	U. S. 80-120 ft. Rapid growing tree of regularly pyra- midal shape. Fine street and lawn tree.			
ULMUS				
Ulam dt *	AMERICANA, L. White Elm.....C	.10	.80	7.50
	U. S. 80-120 ft. Stately street and lawn tree. <i>Seed best sown at once after ripening in early summer.</i>			

CODE WORD

Oz. Lb. 10 Lbs.

ULMUS Cont'd.

Ulfa dt * FULVA, Mx. Slippery or Red Elm...c .25 2.00
U. S. 50-75 ft. Fine street tree.

Umca dt UMBELLULARIA CALIFORNICA,
Nutt. California Laurel..... .15 1.00
California. Small, handsome tree.

VACCINIUM

Vasa dt * ARBOREUM, Marsh. Tree Huckle-
berry.....db .15 1.60
U. S. Small tree or tall branched shrub. Leaves deep-
green, glossy. Berries black. Fine plant.

Vato ds * ATROCOCCUM, Heller.....db .15 1.60

Vaco ds * CORYMBOSUM, L. Tall Blueberry.db .15 1.60

Vava ds * OVATUM, Pursh. Western Blueberry .30 3.00

Vapo ds * PARVIFOLIUM, Smith. Western
Small-leaved Blueberry.....db .75 7.50

Vaca ds * PENNSYLVANICUM, Lam. Dwarf
Blueberry.....db .15 1.60
*Vaccinium require moist locations and produce
more or less edible fruit.*

VIBURNUM

Vibu ds * ACERIFOLIUM, L. Maple-leaved
Haw.db .15 1.00 9.00
U. S. 3-5 ft. Slender growth. Leaves three-lobed.
Fall coloring dark purple.

Vica ds * CASSINOIDES, L. White Rod...db .15 1.00
Ea. U. S. 6-15 ft. Leaves thick, dull green. Very valu-
able ornamental.

Vide ds * DENTATUM, L. Arrow Wood...db .15 1.00
U. S. 6-15 ft. Erect growth. Foliage glossy green.

Vila ds * LANTANOIDES, Mx. Hobble Bush.db .15 1.00
Northern U. S. Low decumbent. Large leaves coloring
finely red. Berries dark purple or scarlet.

Vibo ds * LENTAGO, L. Sheep Berry...db .15 1.00
U. S. 10-30 ft. Foliage light green. Fragrant flowers
white. Fruit black.

Vinu ds * NUDUM, L. Possum Haw.....db .10 .40 3.50
U. S. 6-12 ft. Foliage dull green. Flowers in large
white cymes. Fruit bluish-black.

Vibo ds * OPULUS, L. High-bush Cranberry.db .15 1.60
No. U. S. Tall shrub. Flowers large white, very showy.
Fruits showy scarlet.

Vium ds * PRUNIFOLIUM, L. Black Haw...db .10 .50 4.00
U. S. 10-25 ft. Branches rigid. Foliage shining. Fruit
glossy black, edible. Excellent for massing.

Vios ds * RUFOTOMENTOSUM, Small...db .15 1.60
So. U. S. 6-18 ft. Resembling V. prunifolium but bran-
ches are not rigid and leaves more leathery. Strongly
scented when bruised.

Code word		Oz.	Lbs.	10 Lbs.
VITIS				
Viti dv *	ÆSTIVALIS, Michx. Summer Grape.c	.25	2.00	
Vico dv *	CORDIFOLIA, Michx. Winter Grape.c	.25	2.00	
Vila dv *	LABRUSCA, L. Fox Grapec	.25	2.00	
Viri dv *	RIPARIA, Michx. Frost Grape.c	.25	2.00	
Viro dv	ROTUNDIFOLIA, Michx. Muscadine, Scuppernongc	.25	2.00	
WISTARIA				
Wisa dv *	CHINENSIS, DC. Chinese Wistaria.c	.30	2.50	
	Well known vigorous climber from the East. Wealth of blue flowers in large clusters in spring.			
Wita dv	CHINENSIS ALBA.c	.35	3.50	
	Similar to above with white flowers.			
Wifu dv *	FRUTESCENS, DC. [W. SPECIOSA, Nutt.]c	15.	1.00	9.00
	So. U. S. Less vigorous and blooming later than W. chinensis, but very fine.			
Wima dv *	FRUTESCENS MAGNIFICA.c	.20	1.50	
	So. U. S. Earlier and larger bloomer than type.			
Xano ds *	XANTHORRHIZA APIIFOLIA, L' Her. Yellowroot.c	.30	2.50.	
	U. S. Low, foliage luxuriant, finely pinnate. Form- ing large clusters and invaluable as undergrowth in damp and shady places.			
XANTHOXALUM				
Xato ds *	AMERICANUM, Mill. Prickly Ash. . . .	.10	.80	
	U. S. Branches spreading. Foliage large, pinnate. Well adapted to damp places. Aromatic.			
Xaxa dt	CLAVA-HERCULIS, L. Toothache Treedb	.20	1.75	
	So. U. S. Shrub or small tree. Branches prickly, leaves pinnate, large. Coast planting.			
Xola ds *	XOLISMA LIGUSTRINA, Brit.db	.25	2.50	
	U. S. 5-12 ft. Flowers white in clustered panicles.			
YUCCA				
Yula es	ALOIFOLIA, L. Spanish Bayonet . . .c	.30	2.50	
	So. U. S. 1-2 ft. Leaves rigid, sharply margined.			
Yuba et	BACCATA, Torr. Mexican Banana.c	.75		
	Western species with edible fruits.			
Yuce et	BREVIFOLIA, Eng. Joshua Tree.c	1.20		
	Tall growing from North West.			
Yufi es *	FILAMENTOSA, L. Adam's Needle.c	.40	3.00	
	So. U. S. Leaves stiffly erect with fibrous filaments along edges. Flowers large, white, on stalks, often as high as 7 feet.			

Code word

Oz. Lb. 10 Lbs.

YUCCA Cont'd.

Yugu es *	GLAUCA, Nutt. Western Adam's Needle	c	.25	2.50
	Western U. S. Leaves rigid, narrow, glaucous, white margined. Flower-stalk 5-7 ft. Flowers large, white, nearly to base.			
Yosa et *	GLORIOSA, L. Spanish Bayonet	c	.30	2.50
	So. U. S. Leaves rigidly pointed but smooth-edged. Quite hardy.			
Yuwi es	WHIPPLEI, Torr.	c	.75	
	Western U. S. Leaves narrow, glaucous. Flower stalks often 15-20 feet tall.			

SUCCULENTS.

All kinds offered here are very easily grown from seed and we suggest a trial order. The list given is but very limited because the conditions of the crops of many kinds are quite uncertain at this writing. We expect to receive a very interesting collection later on in the season and shall gladly make lowest prices then upon inquiry.

Half-ounce at ounce rates. Quarter-pound at pound rates.

		Pkt.	Oz.	Lb.
AGAVE	See under Herbaceous Plants.			
CACTUS	VIVIPARUS, Nutt.	db.	.15	1.00
OPUNTIA	ARBORESCENS, Eng.	c.	.10	.75 6.00
"	ARENARIA, Eng.	c.	.25	
"	CAMANCHICA, Eng.	c.	.10	.35 3.00
"	MESACANTHA CYMOCHILA	c.	.10	.35 3.00
"	GREENI	c.	.10	.35 3.00
"	MACRORRHIZA	c.	.10	.30 2.50
"	PHAEACANTHA, Eng.	c.	.10	.40 3.50
"	POLYACANTHA, Haw.	c.	.10	.35 3.00
"	ALBISPINA	c.	.10	.75
"	VULGARIS, Mill.	db.	.10	.30 2.00
"	HYBRIDS, A choice selection		.25	1.50
YUCCA	See under Trees and Shrubs.			

PALMS.

The following very limited list will be supplemented as the outcome of the crops becomes a certainty and we shall gladly quote on any lists of requirements sent us. We can also supply seeds of any foreign palms, such as *Areca*s, *Kentias*, etc., at lowest prices, and solicit correspondence.

Orders for Palm seeds will be filled immediately after ripening of crops.

	10	100	1000	Oz.	Lb.
BRAHEA DULCIS, Mart. ....				.40	3.00
See also Erythea and Washingtonia.					
CHAMÆROPS HUMILIS, L. ....				.15	1.00
ERYTHEA ARMATA, S. Wats. ....	.15	1.00	6.50	.35	3.50
“ EDULIS, S. Wats. ....	.25	1.50	8.50	.40	4.00
SABAL ANDERSONII, Guerns. Dwarf					
Palmetto. ....	.30	2.00			
“ PALMETTO, R. & S. Cabbage					
Palmetto. ....				.15	.65
SERENOA SERRULATA, Hook. f. Saw					
Palmetto. ....				.15	.65
WASHINGTONIA FILIFERA, Wendl.					
Fan-leaf Palm. ....				.25	1.20
“ ROBUSTA. ....				.35	2.50
ZAMIA INTEGRIFOLIA, L. Coontie. . .				.25	1.50

HERBACEOUS SEEDS.

ABOUT SOWING SEEDS OF HERBACEOUS PLANTS: Sow in late fall or early spring either in cold frames or preferably in shallow boxes, filled with finely sifted mellow sandy loam. Press soil firmly before sowing and cover seeds with loam to their own height after sowing. Water well and carefully and do not let the soil get dry. To prevent "dampening off" sprinkle pulverized charcoal over and between the seedlings. Shade carefully. Prick off as soon as the second leaves appear. Cover seed-boxes with mulch of chopped shagnum moss or some similar material, to retain even moisture.

Quarter-ounce at ounce rates; quarter pound at pound rates. No seed will be invoiced at less than 10 cents. We will send 10-packages of any of the following seeds, or twelve 10-cent packages for one dollar, postpaid.

	Pkge.	Oz	Lb
ABRONIA FRAGRANS , Nutt. Sweet Abronia.....	.20	1.20	
1 ft. Flowers in umbels, white, fragrant. Ever-blooming. Sow annually.			
ACONITUM COLUMBIANUM , Nutt. Monks Hood..	.25		
3-5 ft. Flowers purple or white. Excellent plant for moist shade.			
" COLUMBIANUM ALBIDUM.....	.30		
Pure white flowers.			
ACTÆA ARGUTA , Nutt.....	.20		
AGAVE APPLANATA PARRYI, Parry's Hardy Aloe .....	.50		
Rare. Leaves fleshy, grayish green, stiff 18 in. long, termi- nated by long stiff brown spines. Diameter of plant about two ft. Flower stalks about 12 ft. tall. Flowers 2-4 in. long greenish yellow. Early bloomer. A grand and entirely hardy acquisition.			
ALETTRIS FARINOSA , L. Unicorn Root.....	.10	.30	
Leaves in flat rosette, turning orange and purple in fall.			
ALLIONIA NYCTAGINEA , Michx. Wild Four-o'- clock .....	.25		
1-3 ft. Red flowers. Dry soils.			
AMSONIA TABERNÆMONTANA , Walt.....	.20		
1-9 ft. Flowers pale blue, in graceful terminal panicles. Moist soils.			
ANTIGONON LEPTOPUS , H. & A.....	.15	.25	
Excellent tender climber for greenhouse. Rose-pink flowers in fine racemes.			
ANEMONE CYLINDRICA , Gray. Long-fruited Anemone .....	.15		
2 ft. Flowers greenish white. Dry woods.			
" GLOBOSA , Nutt. ....	.15	2.50	
1 ft. Flowers bright red.			
" PATENS , L. Windflower. Anemone Pasque Flower.....	.15	2.00	10.00
8 in. Flowers blue to purple or white in earliest spring. Very fine plant for sandy soil.			

	Pkge	Oz.	Lb.
ANGELICA AMPLA, Nelson, Rocky Mountain Angelica . . . . .			.30
4-8 ft. Rare. White flowers in large umbels. Moist half shade.			
APOCYNUM ANDROSÆMIFOLIUM, L. Dogbane . . . . .			.15
3-5 ft. Flowers in cymes, pink, bell shaped. Summer.			
AQUILEGIA CÆRULEA, James. True Wild Blue Columbine . . . . .	.25	1.50	12.00
1-2 ft. Flowers very large, bluish-white. Choice for half shade.			
" CHRYSANTHA, Gray. Golden Columbine . . . . .			.15
3-4 ft. Rare. Flowers pale yellow or claret. Many flowered. A very desirable plant.			
ARGEMONE PLATYCERAS, L. & O. Colorado Silver Poppy . . . . .	.20	.75	6.00
2-4 ft. Flowers very large white, rarely purple. Sunny exposure in light soils.			
" PLATYCERAS HISPIDA, Prain . . . . .	.25	.85	7.50
2 ft. Flowers large, glossy white with golden centre, Plant beset with bristly hair. Sow annually.			
ARTEMISIA ARBUSCULA, Nutt. Sagebrush . . . . .	.20		
1-2 ft. Shrubby. Nearly evergreen.			
" FILIFOLIA, Torr . . . . .	.25		
2-3 ft. Shrubby. Foliage feathery. Fine for any soil.			
" FRIGIDA, Willd. Mountain Sage . . . . .	.25		
6-12 in. Foliage silvery moss-like. Very fine.			
" GNAPHALODES, Nutt. . . . .	.20		
2-3 ft. Very hairy throughout. Dry soils.			
" LUDOVICIANA, Nutt. Western Mug Wort . . . . .	.20		
Aspect white woolly. Dry banks.			
ASCLEPIAS SPECIOSA, Torr . . . . .	.15	1.50	
2-3 ft. Flowers purple.			
" TUBEROSA, L. Pleurisy Weed . . . . .	.15	.75	
2-3 ft. Flowers yellow to brilliant orange. Sterling plant for any soil.			
ASTER ASCENDENS, Lindl. . . . .	.20	5.00	
3 ft. Pale lilac.			
" AZUREUS, Lindl. . . . .	.20		
2-3 ft. Many-flowered sky-blue.			
" CANESCENS, Pursh . . . . .	.25		
1-2 ft. Rare. Flowers pale shades of pink to purple.			
" COMMUTATUS, Gray . . . . .	.20	5.00	
1 ft. Flowers white, abundant.			
" FENDLERI, Gray . . . . .	.20		
1 ft. Flowers rose lilac of peculiar shade.			
" FOLIACEUS, T. & G. . . . .	.20		
2 ft. Many-leaved. Flowers lavender. Very early.			

	Pkge.	Oz.	Lb.
ASTER LÆVIS, L.....	.20	3.00	
2-3 ft. Large flowers blue to lilac.			
" MULTIFLORUS, Ait.....	.20		
1-2 ft. Rare. Mayn-flowered. Purple.			
" PORTERI, Ait.....	.20	4.00	
1 ft. Rare. Flowers pure white.			
" UNDULATUS, L.....	.25		
2-3 ft. Flowers pale violet.			
ASTRAGALUS BISULCATUS (Hook.) Flowering Vetch.....	.25	1.50	
" CAROLINIANUS, L. (canadensis, L.)... ..	.20		
" DRUMMONDI, Dougl. ....	.25	1.50	
" HYPOGLOTTIS, L.....	.15		
" PARRYI, Gray.....	.25		
" PICTUS, Gray. ....	.15		
" SHORTIANUS, Gray ....	.25		
<i>All Astragalus are rather dwarf handsome plants and of easy cultivation.</i>			
BAPTISIA AUSTRALIS, R. Br. Wild Indigo. ...	.10	.50	
1-3 ft. Flowers indigo blue in racemes. Spring.			
" TINCTORIA, R. Br. Wild Indigo .....	.10	.50	
2-3 ft. Flowers bright golden yellow in racemes.			
BRICKELLIA GRANDIFLORA, Nutt. Tassel Flow- er.....	.25	4.50	
2 ft. Flowers yellowish white, tassel-shaped, drooping. Very large leaves. Very distinct plant for moist places.			
" WRIGHTI, Gray.....	.25		
Larger and more spreading than former. Flowers smaller, purplish tinged.			
CALLIRHOE INVOLUCRATA, Gray. Poppy Mal- low.....	.15		
1-2 ft. Trailing. Flowers throughout summer crimson to cherry.			
CALOCHORTUS GUNNISONI, Wats. Mariposa Lily. ....	.20	3.00	
1 ft. Exquisite flowers of great daintiness.			
CANNA FLACCIDA, Roscoe .....	.15		
2 ft. Flowers iris-like yellow. Showy plant for moist soil.			
CAMPANULA ALLIARIÆFOLIA, Willd. Bell flower .....	.15		
" LATIFOLIA, L.....	.15		
" NOBILIS, Lindl.....	.25		
" RANUNCULOIDES L.....	.15		
" ROTUNDIFOLIA, L.....	.15		
" TRACHELIUM, L.....	.15		
<i>Campanula are always showy, of easy cul- ture and constant bloomers throughout the sum- mer.</i>			

	Pkge.	Oz	Lb.
CASSIA MARYLANDICA, L. Wild Senna.....	.10	.35	1.25
3-8 ft. Foliage feathery. Flowers yellow in August. Moist.			
CASTILLEJA ACUMINATA, Pursh. Painted Cup. .25			
2 ft. Flowers in scarlet showy bracts. Rich woods.			
CHRYSOPSIS FOLIOSA, Nutt. ....	.25	3.00	
1 ft. Flowers golden yellow, first season from seed.			
CLEMATIS COCCINEA, Eng. ....	.15		
4-8 ft. Branching climber. Flowers scarlet or purple.			
" DOUGLASI, Hook. ....	.15	.80	
Low climber. Flowers deep purple without, lighter outside.			
" FREMONTI, Wats. ....	.25	1.25	
1 bushy. Rare. Long blooming.			
" SUPERBA ....	.40		
Selections from largest blooms through all shades of red, blue and cream. An exquisite assortment.			
" ORIENTALIS, L. ....	.25	2.00	
Strong climber. Flowers yellow showy.			
" PITCHERI, T & G. ....	.20	1.50	
Rare. Climber.			
" See also under Trees and Shrubs.			
<i>Clematis grow easily from seed, often germinate in two to six weeks after sowing. All produce very showy flowers and very ornamental plumose fruits.</i>			
CLITORIA MARIANA, L. Butterfly Pea.....	.15	.50	
Low climber. Foliage trifoliate, glossy. Flowers large, pea shaped, light blue. Exquisite plant for lighter soils.			
CROTALARIA SAGITTALIS, L. Rattlebox. ....	.10	.50	
1 ft. Flowers yellow, pea shaped. Seeds in pods, with stiff glossy black walls. When ripe, seeds will rattle in them on touch.			
DARLINGTONIA CALIFONICA, Torr. ....	.50		
Rare and most interesting of all carnivorous plants. Seed supply short. Sow at once upon receipt in moist moss.			
DELPHINIUM ALBESCENS, Rydb. (carolinianum album) ....	.20	2.00	
2-3 ft. Very rare. Flowers creamy white.			
" CARDINALE, Hook. True Western Larkspur .25.	2.50		
2-4 ft. Flowers of magnificent scarlet shade. Not garden grown.			
" GEYERI, Greene (D. scopulorum, Gray) ..	.20	2.00	12.00
2-3 ft. Flowers large. Intense blue or purple.			
" OCCIDENTALE, Wats. ....	.35		
4 ft. Rare. Flowers very deep blue.			
<i>Use Delphinium in shady and preferably deep places, though they will succeed in any soil.</i>			

	Pkge.	Oz.	Lb.
DICENTRA EXIMIA, Torr. Bleeding Heart . . .	.15	2.00	
1 ft. Foliage deeply fern-like cut. Flowerz heart-shaped, deep rose. Lovely plant forming large clumps.			
DIONÆA MUSCIPULA, Ellis, Venus Fly Trap . . .	.50		
Very rare and wonderfully interesting carnivorous plant, occurring in but one limited section of North Carolina. Sow in chopped moss. Seed supply very short this year.			
DODECATHEON PAUCIFLORUM, Greene, Shoot- ing Star . . . . .	.25	5.00	
1 ft. Flowers cyclamen-like deep rose. Very handsome.			
DROSER A BREVIFOLIA Pursh. . . . .	.50		
Diminutive plant with dainty white flowers.			
ROTUNDIFOLIA, L. Sundew. . . . .	.25		
Very interesting small plant. Droseras come up well from seed.			
ECHINACEA PURPUREA, Moench. Purple Cone Flower . . . . .	.20		
3-5 ft. Flowers purple to crimson, with brown cone-shaped centres. Very showy bloomer throughout summer in rich soil.			
ECHINOCYSTIS LOBATA, T. & G. Wild Cucum- ber . . . . .	.10	.50	3.50
Rapid growing climber. Fruits are bladdery and very showy. Soak seeds before sowing.			
ERIOCARPUM SPINULOSUM, Nutt. Cut-leaved Golden Aster . . . . .	.35		
6-12 in. Rare. Leaves dark green pinnate. Flowers yellow rayed. A very choice acquisition			
ERIOCAULON DECANGULARE, L. Pipe Wort. . .	.15	.80	
Scape 2-3 ft. Flowers grayish white in button-shaped heads. Very odd bog plant.			
ERIOGONUM CAMPANULATUM, Nutt. . . . .	.15		
All Eriogonum are very interesting on account of their fine yellow flowers on very large umbels.			
" FLAVUM, Nutt. . . . .	.15		
" UMBELLATUM, Tarr. . . . .	.15		
ERIOPHORUM VIRGINICUM, Cotton. Grass. . .	.10	.50	
2-3 ft. Rare. Heads woolly, pinkish white, resembling cotton bolls. Interesting bog plant.			
ERYNGIUM GIGANTEUM, Bieb. Sea Holly . . .	.20		
" OLIVERIANUM, Laroche. . . . .	.20		
" YUCCÆFOLIUM, Michx. . . . .	.15	1.50	
Eryngium are tall growing plants with finely divided, often glaucous, foliage. Flowers white or blue. Very effective.			
EUPHORBIA ROBUSTA, Eng. Rocky Moun- tain Spruce . . . . .	.25	1.50	
Low. Foliage very ornamental. Flowers brownish yellow in large panicles. Very showy.			
FRASERA SPECIOSA, Dougl. Columbo. . . . .	.25		
3-4 ft. Biennial. Dotted flowers in showy panicles. Foliage in rosette. Rich dry soil.			

	Pkge.	Oz.	Lb.
GALACTIA GLABELLA, Michx. Milk Pea . . . . .	.10	.45	
2-4 ft. Twining. Leaves bright green, trifoliate. Flowers reddish purple, abundant. Splendid for dry soils.			
GALAX APHYLLA, L. . . . .	.50		
Very choice low plant. Foliage rich green to bronze, much used for decorative work. Seed scarce.			
GAILLARDIA ARISTATA, Pursh. . . . .	.15		
1-8 ft. Wild type for many garden varieties.			
GAURA COCCINEA, Nutt . . . . .	.20	2.00	
Dwarf. Flowers red to scarlet.			
GENTIANA ALBA, Gray. White Gentian . . . . .	.25		
Flowers snow-white to dull green.			
" ANGUSTIFOLIA, Mx. Narrow-leaved Gentian . . . . .	.25		
Leaves light green, narrow. Flowers bright blue, in clusters.			
" BIGELOVII, Gray . . . . .	.25		
Flowers purple to bright blue. Form enormous clumps.			
" BRACTEOSA, Greene . . . . .	.35		
Very rare. Flowers intense blue.			
" PARRYI, Eng. . . . .	.35		
Dwarf. Flowers very intense blue. Dry rocks.			
" SAPONARIA, L. Soapwort . . . . .	.25		
Very showy. Flowers light blue. Rare.			
<i>Gentiana prefer generally damp shady locations. They come well from seed.</i>			
GILIA AGGREGATA, Spreng. . . . .	.20		
2 ft. Flowers pink to fiery red. Exquisite biennial.			
GRINDELIA SQUARROSA, Dunal. . . . .	.15	.85	
2 ft. Flowers aster-like, yellow, showy. Late fall. Biennial. Dry soils.			
GYMNOLOMIA MULTIFLORA, B. & H. . . . .	.25		
1-2 ft. Flower rays very showy golden yellow. Profuse bloomer.			
HABENARIA BLEPHARIGLOTTIS, Poir. . . . .	.35	3.00	
Flowers in dense racemes, snow-white. Moist ground near brooks. One of our finest ground orchids.			
" CILIARIS, R. Br. Yellow-Fringed Orchid. . . . .	.35	3.00	
Flowers in dense racemes of a brilliant orange shade and long-lipped. A most beautiful plant.			
HELIANTHELLA QUINQUENERVIS, Gray . . . . .	.20	3.00	
2-4 ft. Flowers large, rays pale yellow. Very distinct plant.			
HELIANTHUS MAXIMILIANI, Schrad. . . . .	.15	1.75	
" ORGYALIS, DC. . . . .	.15		
" PUMILUS, Nutt. . . . .	.15	1.50	
<i>Helianthus are always desirable as ornamentals and easily grown from seed. H. pumilus is quite a dwarf species.</i>			
HEUCHERA SANGUINEA, Eng. . . . .	.20		
6-9 in. Foliage mottled. Flowers bright scarlet. Grand ornamental.			
INULA HELENIUM, L. Elecampane . . . . .	.15		
4-9 ft. Foliage large. Flowers showy and numerous. Rays yellow.			

	Pkge.	Oz.	Lb.
IPOMAEA LEPTOPHYLLA, Torr. Bush Morning Glory	.10	.80	
3-5 ft. Flowers rose-pink or purple. All summer. Enormous roots. Soak seed about a week before sowing.			
IRIS HEXAGONA, Walt	.10	.40	
2-3 ft. Flowers deep-blue with white, yellow and purple veins. Very desirable for damp locations.			
" MISSOURIENSIS, Nutt	.10	.70	
1 ft. Flowers pale blue or white. Any soil.			
JATROPHA STIMULOSA, Mx. Stinging Nettle	.10	.40	
6-9 in. Leaves finely mottled. Flowers waxy snow-white. Roots reach considerable depth. Plant covered with bristly hair. Dry soil.			
KRYNITZKIA VIRGATA, Gray. Miner's Candle	.25		
Foliage narrow in rosette. Flowers snow-white on very short stems, profuse. Very rare. Dry places.			
LACHNANTHES TINCTORIA, Ell. Red Root	.20	.80	
2-3 ft. Leaves 12-18 inches long. Flowers woolly yellow in lateral or terminal heads. All summer. Very handsome for moist places.			
LATHYRUS ALBUS,	.15	2.00	
" NIGER, Bernh.	.15	1.50	
" POLYMORPHUS, Nutt	.25		
" ROTUNDIFOLIUS, Willd	.15		
" SPLENDENS, Kell. Pride of California.	.20	1.50	
<i>Choice trailing plants with pale-rose to deep-purple flowers.</i>			
LEPACHYS COLUMNARIS, T. & G.	.15		
1-3 ft. Flowers cone-shaped yellow. Blooms first year from seed.			
" COLUMNARIS PULCHERRIMA	.20	2.25	
2 ft. Flowers brown or scarlet. Larger than of previous.			
" PINNATA, T. & G.	.15		
2-3 ft. Light yellow flowers.			
LEUCOCRINUM MONTANUM, Nutt. White Sand Lily	.35		
Dwarf. Foliage grass-like. Flowers, in earliest spring, in clusters, fragrant, white about 1½ in. cross and 2 in. long.			
LIATRIS GRAMINIFOLIA, Willd. Button Snake Root	.10	.65	
3-6 ft. Flowers deep purple in dense spike. Late fall.			
" ODORATISSIMA. See Trilisa.			
" PUNCTATA, Hook.	.15		
1-2 ft. Flowers pink-purple crowded on very dense spike. Excellent, summer and fall.			
" SQUARROSA, Willd. Blazing Star	.10	.80	
1-2 ft. Flowers purple in dense spikes. Early summer.			
LILIUM SUPERBUM, L. Turk's Cap Lily	.20		
4-5 ft. Flowers orange. A very superior native species.			
LOBELIA CARDINALIS, L. Cardinal Flower	.20	2.00	
1-3 ft. Foliage dark green. Flowers intensely cardinal colored in close racemes. Summer. Very popular.			

	Pkge.	Oz.	Lb.
LUPINUS ARBOREUS, Sims. ....	.20	.60	4.00
4-6 ft. Shrubby. Flowers yellow in loose racemes. Fragrant.			
" ARGENTEUS, Pursh. ....	.20	1.60	
1-2 ft. Foliage silvery. Flowers in showy racemes, indigo-blue.			
" DIFFUSUS, Nutt. Deer Cabbage. ....	.10	.25	2.00
1-2 ft. Leaves and stems intensely silvery woolly. Flowers pale-blue on dense racemes. Plants forming large clumps, many racemed. Very showy for dry banks. Spring.			
" PARVIFLORUS, Nutt. ....	.15	1.20	
1-3 ft. Flowers light blue to pale purple.			
MALVASTRUM COCCINEUM, Gray. Scarlet Aster. ....	.15	2.00	
6 ft. Leaves deeply lobed. Flowers bright scarlet in racemes. Summer. Any soil.			
MENTZELIA LÆVICAULIS, T & G. ....	.20		
1-2 ft. Flowers star-like yellow. Showy.			
" NUDA, T. & G. ....	.15		
2 ft. Flowers creamy-white.			
" ORNATA, T. & G. ....	.25	2.00	
2-3 ft. Flowers creamy-white; 5 in. across. Open afternoon and evening.			
<i>A wonderfully fine class of herbs. Sow seed in well drained light soil in permanent location.</i>			
MERTENSIA LANCEOLATA, DC. Lungwort. ....	.25		
6-12 in. Flowers blue. Dry soil and half shade.			
" SIBIRICA, Don. Prairie Bluebells. ....	.30		
2 ft. Foliage glaucous. Flowers blue in loose graceful panicles. Luxuriant grower in moist rich soil and half shade.			
MITCHELLA REPENS, L. Partridge Berry. ....	.10	.40	2.50
Evergreen trailer. Coral-red berries adhere all winter. Very ornamental for shady moist positions.			
OENOTHERA ALBICAULIS, Pursh. Tall Evening Primrose. ....	.20		
3 ft. Flowers showy white. Annual.			
" CÆSPITOSA, Nutt. ....	.20		
Dwarf. Fragrant flowers silky white to pink.			
" GOODINGII, Nels. [O. brachycarpa, Gr.]	.20		
Dwarf. Flowers very large, yellow. Half shade.			
" PALLIDA, Lindl. ....	.20		
3 ft. Profuse flowers white, very large.			
" SERRULATA, Nutt. Sundrops. ....	.20		
1 ft. Flowers yellow. Summer. Day blooming.			
OXYTROPIS LAMBERTI, Pursh. "Loco" Weed. ....	.20		
1 ft. Leaves pinnate, silvery. Flowers in spikes, blue, 1 in. across.			
" LAMBERTI SPICATA. ....	.20	2.50	
1 ft. Flowers white. Resembling above.			
" MULTICEPS, Nutt. ....	.25		
Dwarf alpine. Flowers purple.			

	Pkge.	Oz.	Lb.
PASSIFLORA INCARNATA, L. Passion Flower . . .	.10	.30	2.50
Luxuriant vine. Flowers large pinkish white with triple purple crown of exquisite design. Fruits of hen's egg size contain whitish juice of a pleasant subacid taste.			
PEDICULARIS GROENLANDICA, Retz. Elephant's Head			25
1 ft. Flowers crimson purple in spike about 4 in. Wet soil.			
PENSTEMON ACUMINATUS, Dougl. . . . . .	.15	1.50	
1 ft. Flowers large pale lilac.			
" BARBATUS, Nutt. . . . . .	.15		
3 ft. Flowers bright scarlet. Excellent.			
" CAERULEUS, Nutt. . . . . .	.15	2.00	
1 ft. Flowers showy blue in compact racemes.			
" GLABER, Pursh . . . . .	.15	1.20	
1-3 ft. Flowers large sky-blue.			
" GLABER ALPINUS, Gray. . . . . .	.35		
6-9 in. Rare. Flowers azure-blue in dense racemes.			
" GRACILIS, Nutt. . . . . .	.35		
1 ft. Flowers pale lavender.			
" HUMILIS, Nutt. . . . . .	.20		
Dwarf. Flowers deep purple.			
" SECUNDIFLORUS, Benth. . . . . .	.35		
2 ft. Flowers lilac or purple. Splendid			
PHLOX DOUGLASI, Hook. . . . . .	.35		
Dwarf creeper. Flowers white to purple. For sandy soil.			
" SUBULATA, L. Moss Pink. Mixed or 3 separate colors . . . . .			.35
Dwarf. Foliage narrow, prickly. Flowers large, from snow-white to light pink and deep red. Forms compact tufts and is of greatest value as ground cover. Blooms early spring and fall.			
PHYSOSTEGIA VIRGINIANA, Benth. var alba . . . . .	.15	1.50	
3-4 ft. Flowers white in July and August. Blooms first year from seed. Excellent for rich moist soils.			
PHYTOLACCA DECANDRA, L. Pokeweed . . . . .	.10	.25	1.50
4-6 ft. Stout growth. Stems bright red, much branching. Handsome in flower and fruit. Any soil.			
PRENANTHES RACEMOSA, Michx. . . . . .	.35		
2-3 ft. Flowers in long nodding purplish racemes.			
PRIMULA PARRYI, Gray. . . . . .	.25		
Low alpine. Flowers in magnificent shades. From selected plants.			
RHEXIA MARIANA, L. Deer Grass . . . . .	.10	.50	
1-3 ft. Leaves narrowly lanceolate. Stems sharply 6-angled. Flowers large and showy, pink to purple. Seed vessels gracefully urn-shaped. Moist half shade.			
" VIRGINICA, L. Meadow Beauty . . . . .	.10	.45	
6-12 Leaves strongly veined. Flowers bright purple with yellow stamens. All summer. Moist half shade.			

	Pkge	Oz.	Lb.
ROMNEYA COULTERI, Harvey. Californian Tree Poppy .....	.25	1.20	
6-12 ft. Halfshrub. Flowers very large, white and fragrant. Exquisite plant for any well drained soil. Grows well from our fresh seed.			
RUELLIA CILIOSA, Pursh. Wild Petunia.....	.15		
1 ft. Flowers petunia-like.			
SALVIA AZUREA, Lam. var. grandiflora .....	.20	2.25	
4-5 ft. Flowers clear azure blue on long stiff stems. Fall. Blooms first year from seed. Deserves a place in every collec- tion.			
SARRACENIA FLAVA, L. Trumpet Leaf.....	.10	.60	
2-3 ft. Pitchers tall, yellow with open throat. Hood brown, large, rounded. Yellow flowers large. Very showy. Early spring			
" PURPUREA, L. Pitcher Plant .....	.10	.60	
1 ft. Pitchers more prostrate, deep purple. Hood purple- veined, large, and broad. Flowers deep purple. April.			
" VARIOLARIS, Mx. Spotted Trumpet Leaf .....	.10	.60	
9-15 in. Pitchers erect, yellowish green, often whitish mot- tled. Hood purple veined, bending over. Flowers bright yellow. April. Rare.			
<i>Sarracenias demand well drained moist locations.</i>			
SCHRANKIA ANGUSTATA, T. & G. Sensitive Briar .....	.25		
3-5 ft. Decumbent trailer. Foliage finely pinnate and truly sensitive. Pink flowers like those of Mimosa pudica. Dry shade. July.			
SCUTELLARIA BRITTONI, Porter. Skull Cap. .35			
Small pretty plant with blue flowers. Dry soil.			
SEDUM STENOSEPALUM, Pursh. Stone Crop....	.20		
Dwarf moss-like alpine for rockeries.			
SENECIO DOUGLASII, DC.....	.10	1.25	
Flowers numerous, golden yellow. Dry soil.			
SILENE VIRGINICA, L. Fine Pink.....	.10	.75	
1-2 ft. Flowers brilliantly crimson to scarlet. All summer. Very effective for low ground.			
SISYRRHINCHIUM ANGUSTIFOLIUM, Mill. Blue-eyed Grass.....	.10	.50	
1 ft. Foliage grass-like. Flowers dainty, violet blue.			
SOLIDAGO NANA, Gray .....	.30		
" RIGIDA, L. ....	.15	1.50	
" RIGIDISCUA, T. & G. ....	.20		
" SPECTABILIS, Gray.....	.25	2.50	
<i>These are all very desirable species—1 to 3 ft. tall. Non-spreading and willing bloomers.</i>			
SPIGELIA MARYLANDICA, L. Pink Root.....	.30		
1 ft. Flowers red on outside and yellow inside, trumpet- shaped, in racemes.			
STANLEYA PINNATA, Britton. False Cleome... .15	1.25		
3 ft. Flowers golden yellow in long racemes. Dry lime soil.			

	Pkge.	Oz.	Lb.
STILLINGIA SYLVATICA, L. Queen's Delight..	.10	.40	
2-3 ft. Flowers yellow-green in umbels. Grows well from seed.			
TEPHROSIA VIRGINICA, L. Devil's Shoestring..	.10	.60	
2-3 ft. Roots spreading. Foliage pinnate. Flowers pea-shaped, handsome red and yellow. Excellent as sand binder.			
THALICTRUM POLYGAMUM, Muhl. Meadow Rue.....	.15	1.50	
4-8 ft. Foliage ample, Adiantum-like. Flowers large, white in enormous panicles.			
TRADESCANTIA ROSEA, Vent. Rose Spider-wort.....	.15	1.00	
6 in. Foliage grass-like. Flowers rose, profusely all Summer. Handsome border plant for any light soil.			
TRILISA ODORATISSIMA, Cass. Vanilla Plant..	.20	.80	
2-3 ft. Foliage has fragrance of vanilla. Flowers purple in panicles. Roots very fibrous. August. Very fine plant.			
VALERIANA EDULIS, Nutt. Orange Tobacco..	.25		
2-4 ft. Foliage thick, strongly veined. Flowers yellowish white on long panicles. Roots eaten by Indians.			
" SEPTENTRIONALIS, Rich. Mountain Valerian	.25		
2 ft. Flowers very early, snow-white. Very desirable.			
VIOLA ADUNCA, Smith. Wood Violet.....	.20		
Flowers white with purple veins.			
" ALSOPHILA, Greene. White Marsh Violet..	.35		
Flowers white, rather large. Moist locations.			
" CANADENSIS, L. Canadian Violet.....	.15		
Flowers white, tinged purple. Large.			
" COGNATA, Greene. Western Blue Violet...	.20	5.00	
Flowers lilac. Forms large clumps.			
" DELPHINIFOLIA, Nutt. Mesa Violet.....	.25		
Cut-leaved. Flowers very large, lilac-purple.			
" NUTTALLII, Pursh. Yellow Violet.....	.20	4.50	
Flowers bright yellow, tinged purple at back. Sunny dry.			
" OVATA, Nutt. Prairie Violet.....	.35		
Flowers rose, purple, blue or white.			
" PEDATA, L. Bird's Foot Violet.....	.30		
Leaves pedate. Flowers pale lilac to purple, enormous. Dry fields.			
VIOLA PEDATIFIDA, Don. Meadow Violet.....	.25		
Flowers blue. Damp half shade.			
" RYDBERGII, Green. Colorado Violet..	.30	4.50	
Enormous dark green foliage. Flowers white tinged, purple on back. Nearly all summer. Rare.			
XYRIS BREVIFOLIA, M.. Yellow-eyed Grass...	.10	.50	
6-12 in. Flowers small, yellow, iris-shaped in light-brown globular spike, which resembles a diminutive pine cone. Bogs.			
" CAROLINIANA, Walt.....	.10	.50	
2-3 ft. Larger in every part than above.			
ZYGADENUS BUTTALLII, Gray. Wild Hyacinth.	.25		
1-2 ft. Flowers yellow in spikes. Spring. Very handsome. Prairies.			

ROOTS AND BULBS.

Most of the Kinds Offered Here are Described in the Foregoing Pages. Many of the Plants of This List will be Collected and early orders are very desirable.

We can generally supply a far larger collection of roots and bulbs than we list here and shall be glad to quote on your list of wants.

Five of one kind at 10 rates. Forty of one kind at 100 rates. Price for large quantities by letter.

	10	100
ACONITUM COLUMBIANUM.....	\$1.00	\$7.50
AGAVE APPLANATA PARRYI, Hardy Aloe.		
“ largest size.....	\$1.25 each	10.00
“ medium size.....	.85 “	7.00
“ small size.....	.40 “	3.00
Deserves a place in every collection everywhere.		
ALETRIS FARINOSA.....	.30	1.50
ALLIUM ATTENUIFOLIUM.....	.60	3.00
“ BIDWELLÆ.....	.60	3.00
“ PLATYCAULE.....	.60	3.00
“ SANBORNII.....	.60	3.00
AMSONIA TABÆRNÆMONTANA.....	.80	4.00
ANTIGONON LEPTOPUS, strongest roots.....	1.00	7.50
ASCLEPIAS TUBEROSA.....	.80	4.00
BRODIAEA BRIDGESII.....	.60	3.00
Flowers reddish purple. Very fine.		
“ CALIFORNICA.....	.60	3.00
Flowers rose to deep purple Exquisite.		
“ CANDIDA.....	.60	3.00
Flowers pale blue to white on tall stems. Very beautiful.		
“ CAPITATA.....	.60	3.00
Flowers lilac very early.		
“ CAPITATA ALBA.....	.80	4.50
Flowers snow-white. Entirely novel and rare.		
“ CAPITATA PARVIFLORA.....	.60	3.00
Flowers rich purple. Earliest bloomer.		
“ COCCINEA, Floral Firecracker.....	.60	3.00
Flowers brilliantly crimson tipped with green.		
“ IXIODES.....	.60	3.00
Flowers fine yellow.		
“ IXIODES SPLENDENS.....	.50	2.50
Flowers improved yellow. Very fine.		

	10	100
BRODIAEA LACTEA . . . . .	.40	1.50
Flowers white. Handsome for forcing.		
" LAXA . . . . .	.50	2.50
Flowers blue purple, many flowered. Exquisite.		
" MULTIFLORA . . . . .	.60	3.00
Flowers violet. Very late bloomer. Handsome.		
" PEDUNCULARIS . . . . .	.60	3.00
Flowers enormous umbels, porcelain colored.		
" PURDYI . . . . .	.60	3.00
Very distinct with purple flowers.		
" VOLUBILIS . . . . .	.80	4.50
Twining. Very rare. Flowers daintly pink.		
<i>Brodiaeas are hardy plants with numerous exquisitely colored flowers of a waxy texture, in heads or umbels. Fine as cut flowers. Loose well drained soil. Wood-land or rockery.</i>		
CALOCHORTUS ALBUS . . . . .	.50	1.75
Splendid tulip-shaped flowers.		
,, AMOENUS, . . . . .	.50	1.75
Flowers tulip-shaped, glowing pink. Excellent.		
" BENTHAMII . . . . .	.65	2.00
Flowers yellow.		
" CATALINÆ	1.50	12.00
Very early glorious bloomer. Flowers white or lilac with blackish spot at base of petals.		
" CLAVATUS	1.50	12.00
Flowers very large deep yellow. Indispensable.		
" HOWELLII ,	1.50	12.00
Flowers finely fringed with hairs, straw colored.		
" MAWEANUS MAJOR. Cat-Ears . . . . .	.70	1.75
Flowers silky white, filled with soft blue hairs.		
" NITIDUS	1.00	7.50
Unique, especially hardy. Flowers large white with indigo spot.		
" NUTTALLII . . . . .	.75	4.50
Splendid white flowers.		
" VENUSTUS , mixed colors. . . . .	.70	3.50
Exquisite flowers in all shades.		
" VESTA	1.00	7.50
Flowers enormous, white with red centre and back of petals purple. Heavy clay soil.		
<i>The Mariposa Lilies are hardy and quite indispensable bulbs. Flowers are large, often several inches across, satiny and of very dainty coloring. Plant in perfectly and deeply loosened soil and water but sparingly. Mulch where winters are very cold.</i>		

	10	100
CAMASSIA ESCULENTA .....	.50	1.50
“ CUSICKII	1.00	7.50
“ LEICHTLINII .....	.85	6.00
<i>Foliage similar to that of hyacinths. Flowers are light blue or cream, very profuse and in long succession, lily-like on rather tall stout stems. Moist clayey soils.</i>		
CANNA FLACCIDA .....	.75	3.00
CHIMAPHILA MACULATA, Prince's Pine .....	.60	2.50
Evergreen white-lined foliage. Flowers dainty white. Half shade.		
CLITORIA MARIANA. Butterfly Pea .....	.65	4.00
COOPERIA DRUMMONDI .....	.60	2.50
“ OBERWETTERII .....	.60	2.50
“ PEDUNCULATA. . . . .	.60	2.50
The Sand or Rain Lilies are very handsome early bloomers and will adapt themselves to any kind of soil. Very desirable.		
CYPRIPEDIUM ACAULE, Moccasin Flower. Strong.	1.50	8.00
Flowers large, purple with whitish lip. Dwarf.		
“ CALIFORNICUM	3.00	20.00
Rare. Flowers yellow. Strong grower.		
“ MONTANUM	4.50	35.00
Very rare. Flowers white. Excellent.		
“ SPECTABILE	3.00	22.50
Best of all. Rare. Flowers have soft rose pouch and white petals.		
<i>Plant Cyripedium in boggy or peaty soil in the shade.</i>		
DARLINGTONIA CALIFORNICA. Budded plants...	1.50	10.00
Without flower buds.....	1.00	8.00
DIONAEA MUSCIPULA .....	.75	3.50
DODECATHEON HENDERSONI, Red Flowering Cowslip.....	.75	3.50
“ PATULUM, Yellow Cowslip.....	1.00	4.00
“ TETANDRUM.....	.60	3.00
<i>Splendid. Bloom in earliest spring. Hardy. Good well drained garden soil.</i>		
DROSER A BREVIFOLIA .....	.60	3.00
“ ROTUNDIFOLIA .....	.50	2.00
EPIGAEA REPENS, Trailing Arbutus. clumps.....	.60	3.00
Flowers waxy white to rose, deliciously fragrant. Early spring. Half shade, leaf mould.		
ERIOCAULON DECANGULARE .....	.60	3.00
ERIOPHORUM VIRGINICUM.....	.60	3.00

	10	100
ERYTHRONIUM AMERICANUM, Dog's Tooth Violet	.35	1.50
Very earliest spring. Flowers yellow with dark spots near base.		
" CITRINUM . . . . .	.65	3.50
Flowers cream with bright yellow centre.		
" GRANDIFLORUM . . . . .	.60	3.00
Flowers golden yellow. Fine alpine. Leaves not mottled.		
" GIGANTEUM . . . . .	.35	2.00
Flowers very large, cream with brown spots near base.		
" HARTWEGII . . . . .	.35	2.00
Flowers light yellow. Very hardy and early. Fine.		
" HENDERSONII . . . . .	.60	3.00
Flowers light purple with dark purple centre. Splendid.		
" REVOLUTUM . . . . .	.60	3.00
Flowers white to purple.		
<i>The lily-like nodding flowers appear very early on slender stems. Leaves generally finely mottled. Leaf mould in shady places.</i>		
FRITILLARIA COCCINEA . . . . .	.85	5.00
Flowers crimson.		
" LANCEOLATA . . . . .	.85	5.00
Flowers yellow to greenish.		
" GRACILIS	1.00	6.00
Flowers black purple, distinctly checkered.		
" PUDICA . . . . .	.85	5.00
Low. Flowers clear yellow fragrant.		
" PLEURIFLORA . . . . .	.85	5.00
Flowers very early, reddish purple. Excellent.		
" RECURVA . . . . .	.85	5.00
Flowers clear scarlet outside, golden yellow with red spots inside. Best of all.		
<i>Hardy early bloomers for rockery or woods. Heavy clay or rich garden soil.</i>		
GALACTIA GLABELLA . . . . .	.40	2.00
GALAX APHYLLA . . . . .	.60	2.50
GENTIANA AFFINIS . . . . .	.75	4.50
" ANGUSTIFOLIA . . . . .	.60	3.00
" SAPONARIA . . . . .	.70	4.00
GILLENIA STIPULACEA	1.50	7.00
HABENARIA BLEPHARIGLOTTIS . . . . .	.60	3.00
" CILIARIS . . . . .	.60	3.00
HESPEROCALLIS UNDULATA, Lily of the Desert	2.00	
Very rare. Flowers fragrant white. Fine acquisition.		
HEUCHERA AMERICANA . . . . .	.60	3.00

	10	100
IRIS DOUGLASIANA.....	.70	4.00
Rare. Flowers pale lilac with purple vein.		
" HARTWEGII.....	.70	4.00
Flowers finely yellow.		
" HEXAGONA.....	.65	3.50
" VERNA, Blue Flag.....	.40	2.00
Dwarf. Flowers blue with yellow veins. Very early. Sandy soil.		
<i>Excellent bloomers generally for damp or boggy places.</i>		
JATROPHA STIMULOSA.....	1.25	9.00
LACHNANTHES TINCTORIA, Red Root.....	.65	3.50
LEUCOCRINUM MONTANUM, White Sand Lily....	.70	4.00
LEWISIA REDIVIVA, Bitter Root.....	.60	3.00
Dwarf. Leaves thick fleshy. Flowers large of rose to red shades, midsummer. Very fine and rare. Rockeries.		
LIATRIS GRAMINIFOLIA.....	.40	2.00
" ODORATISSIMA. See Trilisa		
LILIUM CANADENSE, Wild Yellow Lily.....	.80	5.00
2-5 ft. Flowers red and yellow.		
" HUMBOLDTII.....	1.25	9.00
4-6 ft. Flowers large orange red, spotted maroon. Grand species. Bulbs are selected and are very large.		
" HUMBOLDTII MAGNIFICUM.....	3.50	
Foliage darker and flowers with crimson circle. Rare.		
" MARITIMUM.....	2.50	20.00
Flowers dark red funnel-shaped. Very fine.		
" PARDALINUM, Leopard Lily.....	.75	6.00
3-6 ft. Flowers reddish orange with maroon dots near base. One of the best and hardiest.		
" PARDALINUM, 'Red Giant'.....	15.00	
Rare. Flowers crimson and orange. Very showy.		
" PARRYI.....	4.00	35.00
3-5 ft. Slender. Many-flowered, sweetly fragrant, lemon-yellow. Quite indispensable.		
" PHILADELPHICUM.....	.80	5.00
Flowers deep orange red. Very fine for sandy or rocky soils.		
" ROEZLII.....	4.00	35.00
Very rare. Flowers clear reddish orange, dotted maroon.		
" SUPERBUM, Turks Cap Lily.....	1.00	5.00
" WASHINGTONIANUM.....	1.00	8.00
3-6 ft. Flowers long trumpet-shaped, fragrant, pure white, tinged pink. Magnificent.		
" WASHINGTONIANUM PURPUREUM.....	2.50	20.00
Flowers white to purple. Bulbs have splendid keeping quality.		

Plant Lilium in well drained, not too heavy soil. Put bulbs at least four inches under ground and surround them with sand. Avoid fresh manure and do not transplant unless unavoidable.

	10	100
MERTENSIA FASCICULARIS, Mountain Forget-me-not.....	.70	4.50
MITCHELLA REPENS, Partridge Berry.....	.60	3.00
ORONTIUM AQUATICUM, Golden Club.....	.80	5.00
Aquatic plant. Leaves fleshy, glossy, silvery underneath. Flowers golden yellow in early spring on club-shaped scape. Hardy and very desirable for bog planting.		
PASSIFLORA INCARNATA, Passion Flower.....	.60	3.00
PHLOX SUBULATA, Moss Pink....clumps.....	.60	3.00
POLYGALA LUTEA, Bachelor's Button.....	.40	2.50
Dwarf. Foliage bright green. Flowers showy orange yellow in dense globular heads. All summer. Unsurpassed for colonizing along banks of brooks and in moist ground.		
PYXIDANTHERA BARBULATA, Flowering Moss, Pyxie.....	1.25	8.00
Though botanically a shrub the whole appearance is that of an herb. Low ground cover. Foliage moss-like light green. Flowers are of a never-to-be-forgotten beauty. Pinkish-white and starry they cover the plant in earliest spring, lasting quite a long period. Prefers moist not too heavy soils and demands a place in every collection.		
RHEXIA MARIANA, Deer Grass.....	.60	3.00
“ VIRGINICA, Meadow Beauty.....	.60	3.00
SARRACENIA FLAVA, Trumpet Leaf.....	.75	4.00
“ PSITTACINA.....	.75	4.00
“ PURPUREA, Pitcher Plant.....	.45	2.50
“ VARIOLARIS, Spotted Trumpet Leaf.....	.75	4.00
SCHRANKIA ANGUSTATA, Sensitive Briar.....	1.00	6.00
SHORTIA GALACIFOLIA.....	3.00	25.00
Exceedingly rare. Fine white flowers and rich bronze color of foliage in fall.		
SILENE VIRGINICA, Fire Pink.....	.75	4.00
SISYRRHINCHIUM ANGUSTIFOLIUM.....	.35	2.00
“ GRANDIFLORUM.....	.65	3.50
TEPHROSIA VIRGINICA.....	.75	4.00
TRADESCANTIA ROSEA, Rose Spiderwort.....	.60	3.00
TRILISA ODORATISSIMA, Vanilla Plant.....	.65	3.50
Very rare. Foliage has fragrance of vanilla. Dry or wet shade.		
TRILLIUM ERECTUM.....	.65	3.50
Purple flowers very early.		
“ OVATUM.....	.65	3.50
Flowers pure white. Fine.		
“ SESSILE, var. californicum.....	.90	7.50
Flower pure white with purple center. Strong grower. Cool shade in damp rich leaf mould.		
VIOLA PEDATA.....	.60	3.00
XYRIS BREVIFOLIA.....	.60	3.00
“ CAROLINIANA.....	.45	2.50

RHODODENDRON CATAWBIENSE.

The Rose Laurel is undisputedly the choicest of all American Laurels and it is found in only a restricted section limited to the highest summits of the Southern Alleghanies, from North Carolina to Tennessee, where our extensive fields are located.

The gorgeous flowers of this species appear on large trusses and are of shades of exquisite lighter or darker pink. The foliage is large deep-green and persistent. The plants are at least as hardy as *Rhododendron maximum*. Their value for ornamental planting is unsurpassed. The superiority of the TRUE *Rhododendron catawbiense* as a parent for hybridizing purposes over the so-called *catawbiense*, so often offered in Europe under that name, which in reality are generally hybrids with *ponticum* or *arboreum* blood, is also to be considered very carefully.

We collect our plants from open woods where they grow under light shade in good loamy and fairly gravelly soil, which is wonderfully inducive to the formation of a system of fine roots, holding a solid ball of earth.

We take a special pride in our way of selecting, digging and transporting these plants and from the letters of commendation before us it seems evident that we know how to please our customers.

RHODODENDRON MAXIMUM.

Our supply of this, now so universally used and admirable evergreen comes from the fields in the Northern Alleghanies in Pennsylvania, etc. We restrict our output to the very finest grades only, which are sure to give pleasing results. The plants are well rooted with good balls of earth and they have fine bushy tops with foliage to the ground.

KALMIA LATIFOLIA.

We supply these beautiful shrubs either from our Northern or Southern reservations. The plants are perfectly shaped in every way, have deep green foliage and are generally covered with buds. The roots hold a substantial ball of earth.

IN GENERAL.

We can supply selected plants of all these kinds in sizes from six inches up to six feet and even taller and in quantities from a single half dozen specimens to any number of carloads. The prices will largely depend upon the quantities and sizes required but they will be found very reasonable in all instances, especially if the superior grade is considered, which we ship. We shall gladly give all information relating to prices, approximate capacity of cars, freight rates, planting instructions or whatever else may be of interest to intending purchasers and we cheerfully solicit correspondence.

ORNAMENTAL NURSERY STOCK.

We are growing a good line of fine, hardy woody plants and shall with pleasure send our Wholesale List to all wholesale consumers, upon request.

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